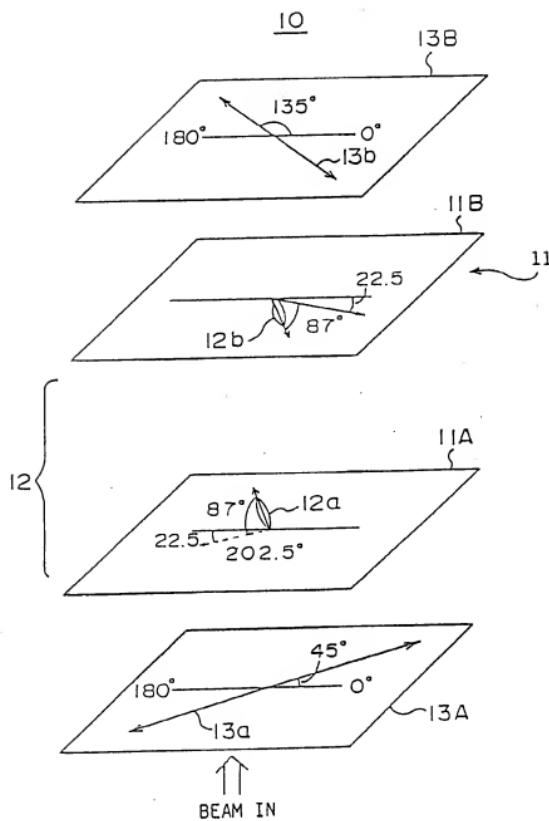




FIG. 1



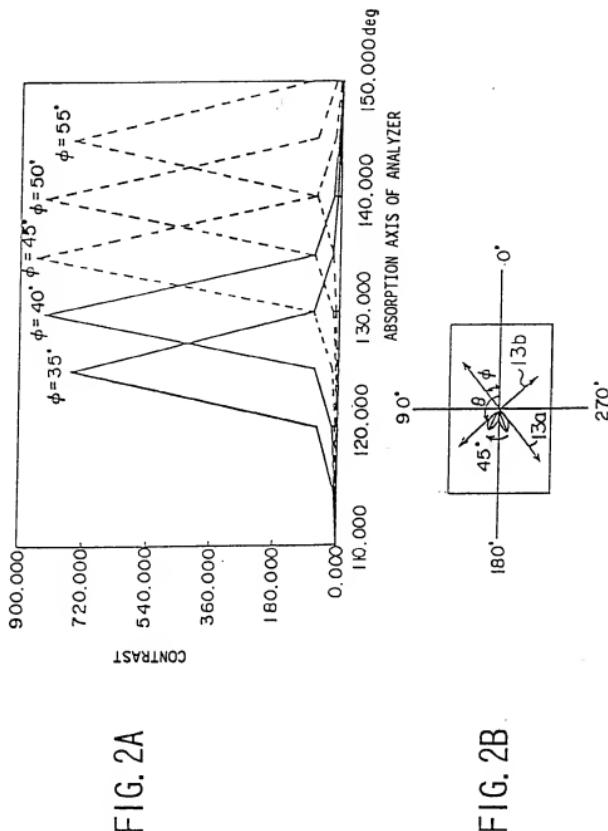


FIG. 3A

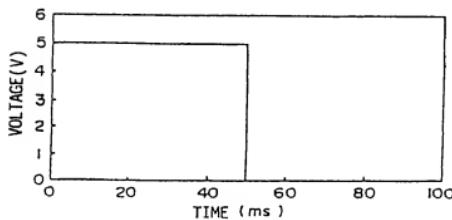


FIG. 3B

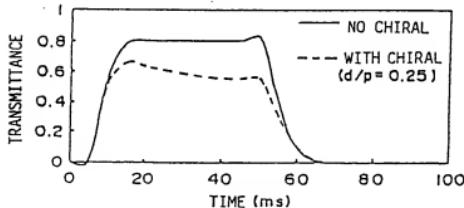


FIG. 3C

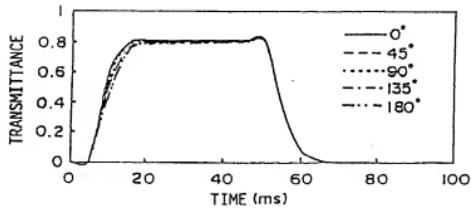


FIG. 3D

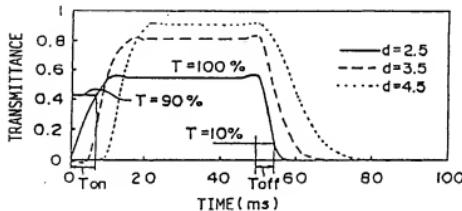


FIG.4A

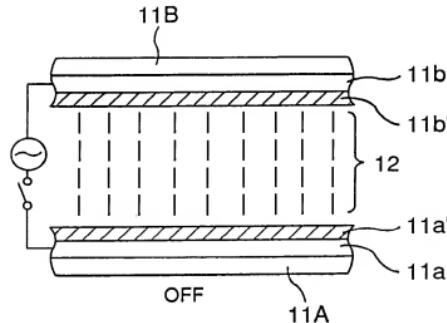
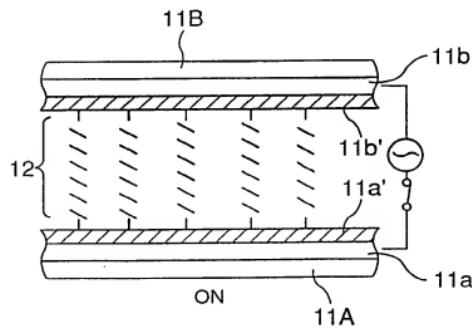


FIG.4B



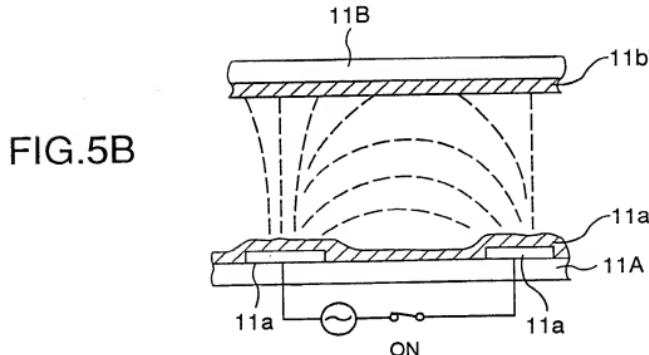
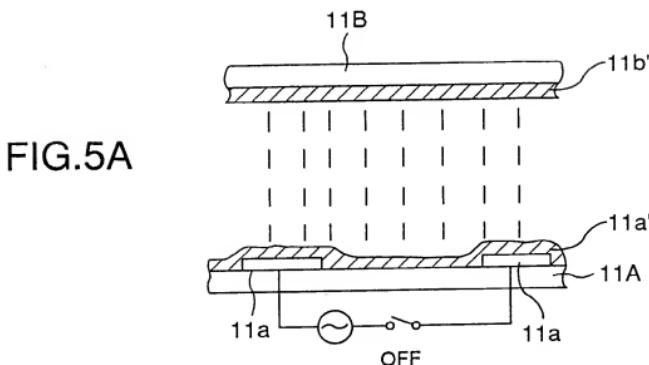


FIG.6A

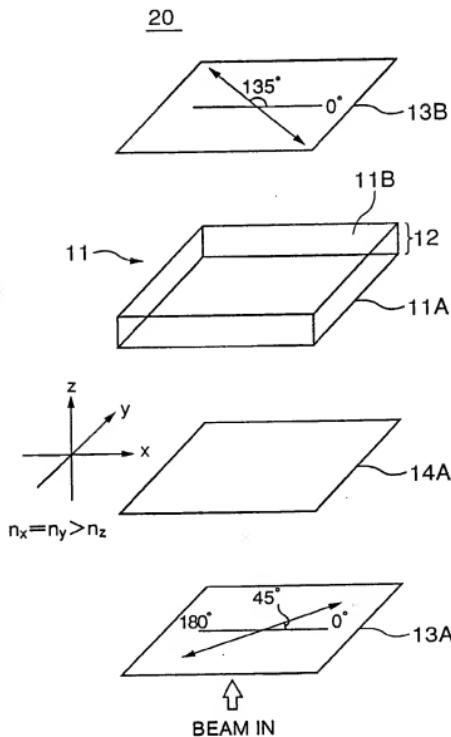


FIG. 6B

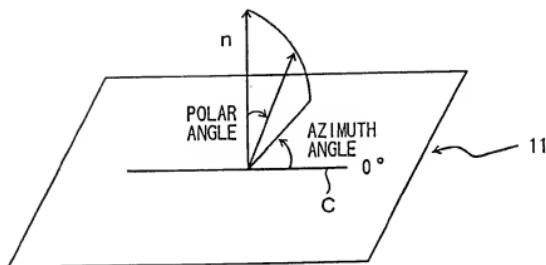
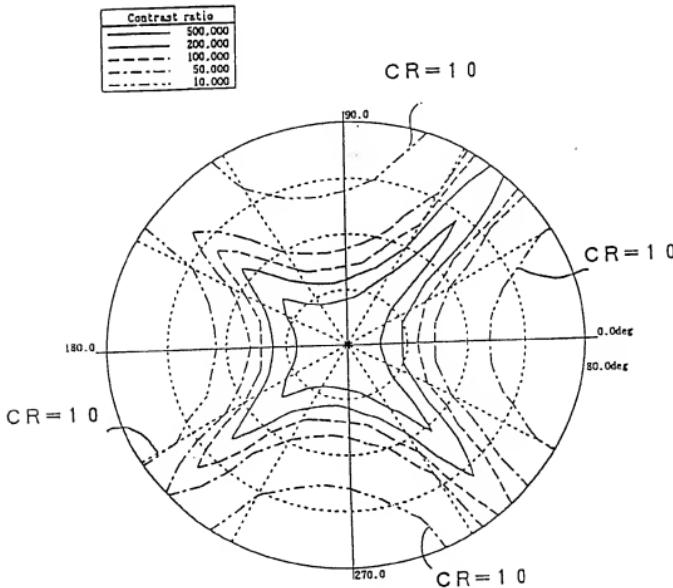
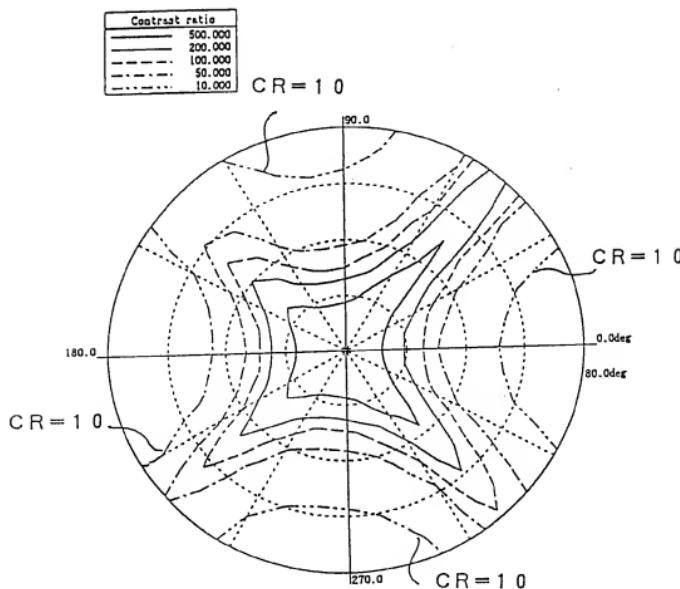


FIG. 7



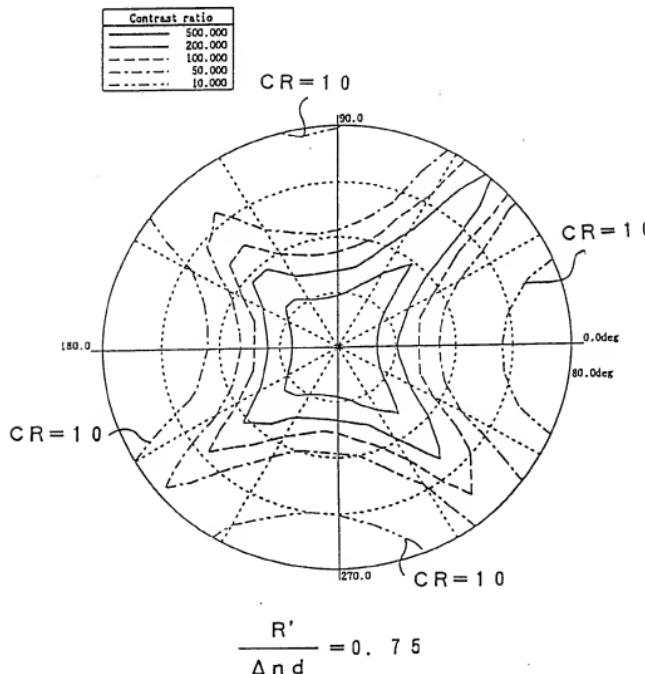
$$\frac{R'}{\Delta n d} = 0.45$$

FIG. 8



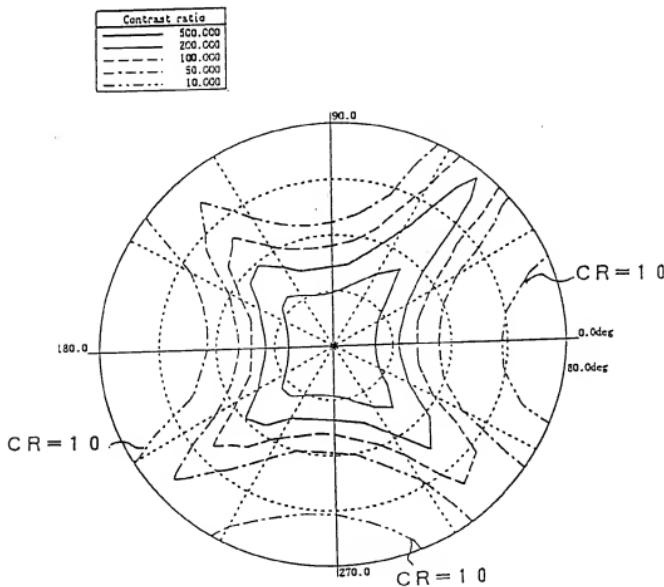
$$\frac{R'}{\Delta n d} = 0, 6$$

FIG. 9



$$\frac{R'}{\Delta n d} = 0.75$$

FIG. 10



$$\frac{R'}{\Delta n d} = 0.82$$

FIG. 11

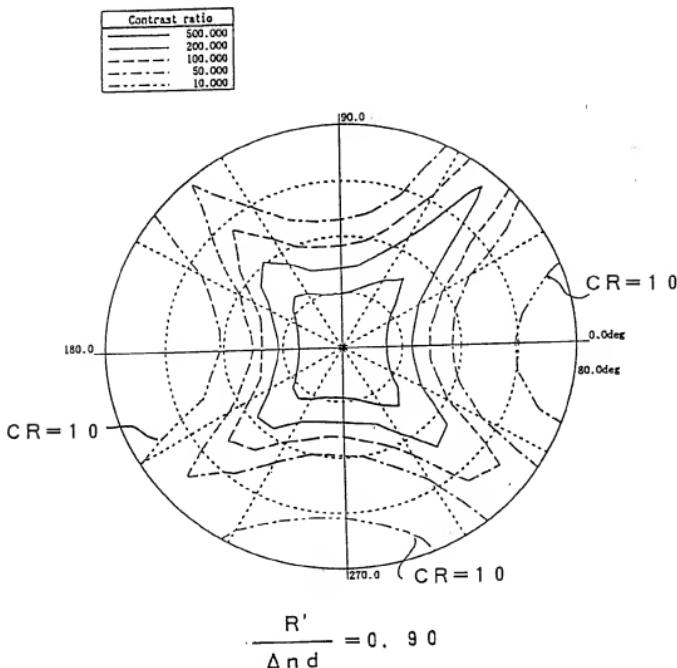


FIG. 12

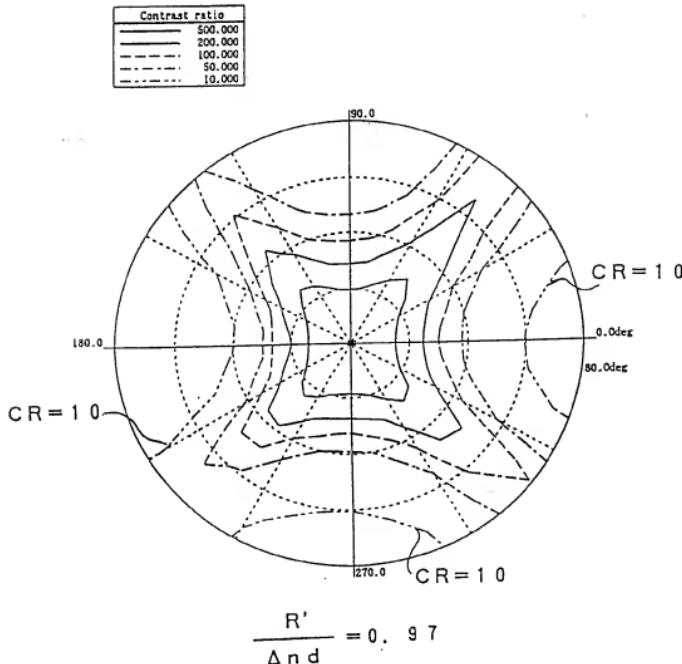


FIG. 13

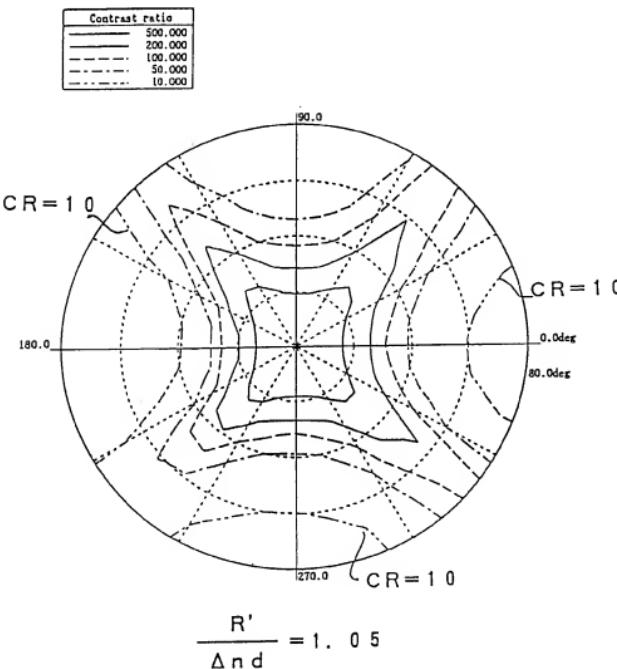


FIG. 14

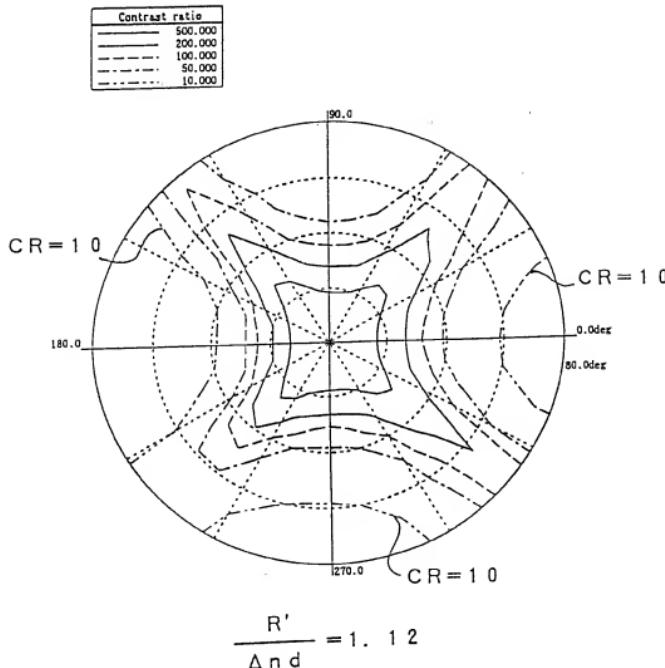


FIG. 15

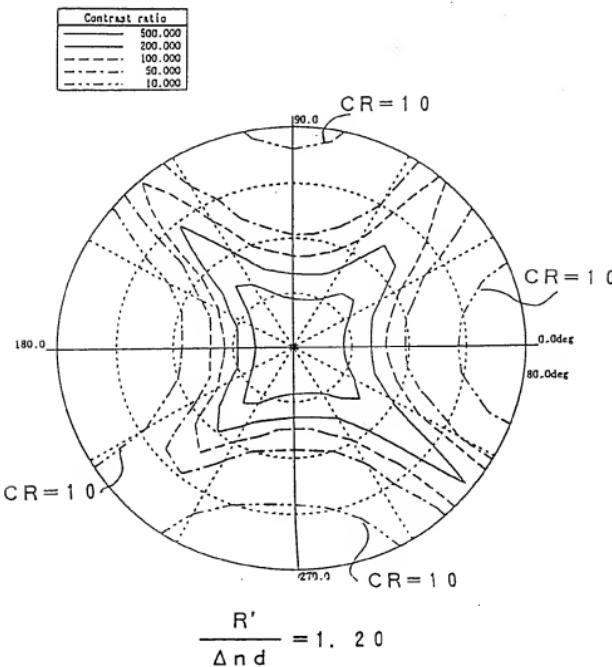
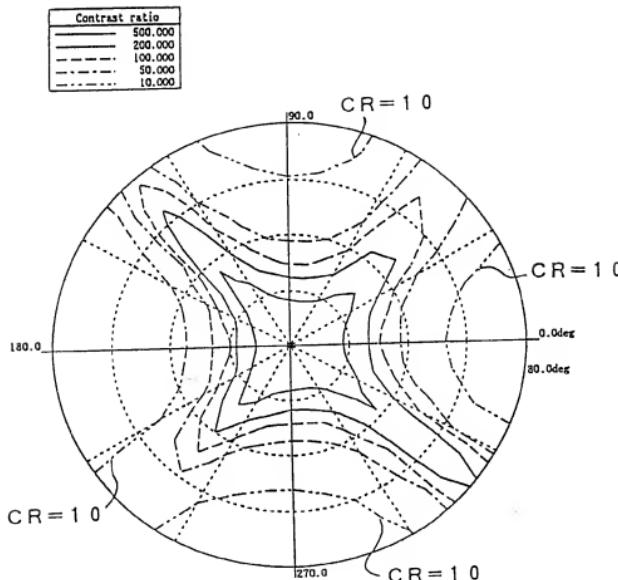


FIG. 16



$$\frac{R'}{\Delta n d} = 1, 3, 4$$

FIG. 17

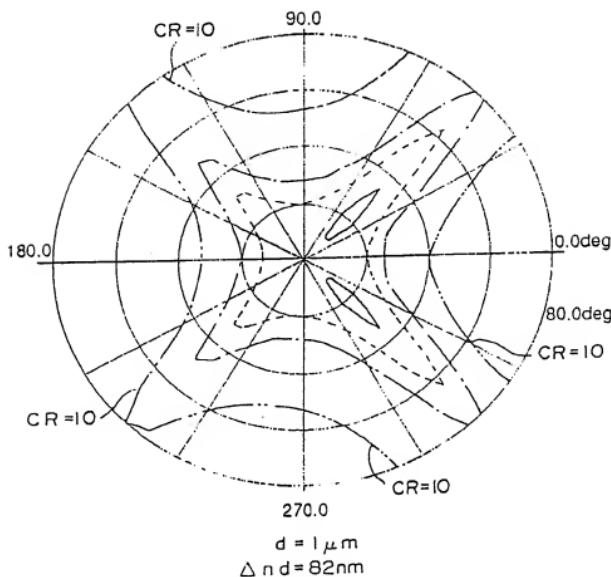
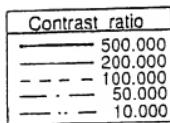


FIG. 18

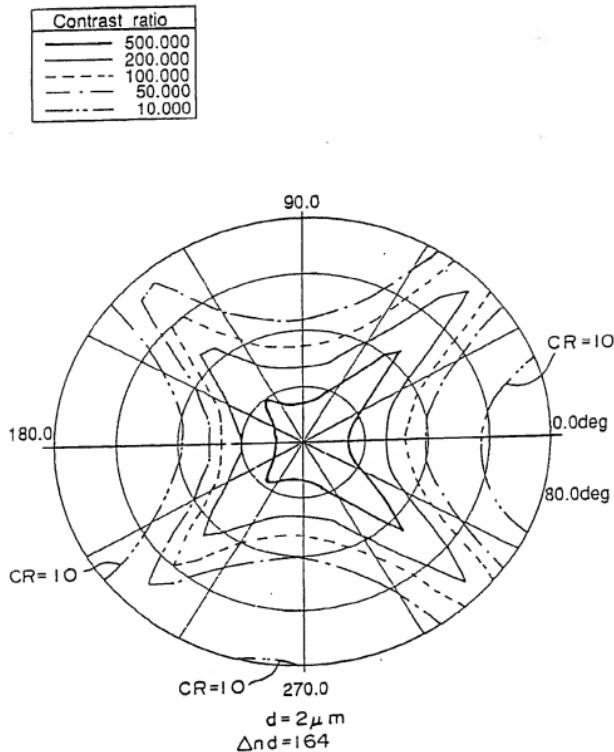


FIG. 19

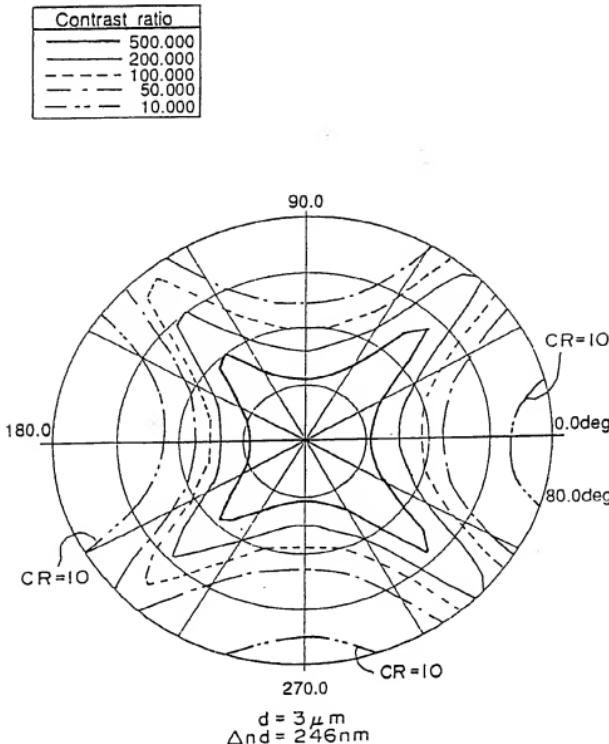


FIG. 20

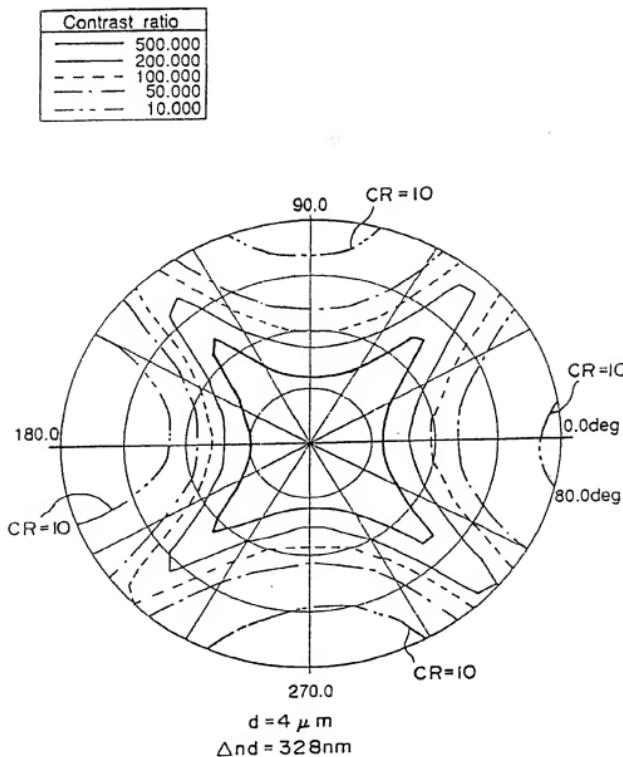


FIG. 21

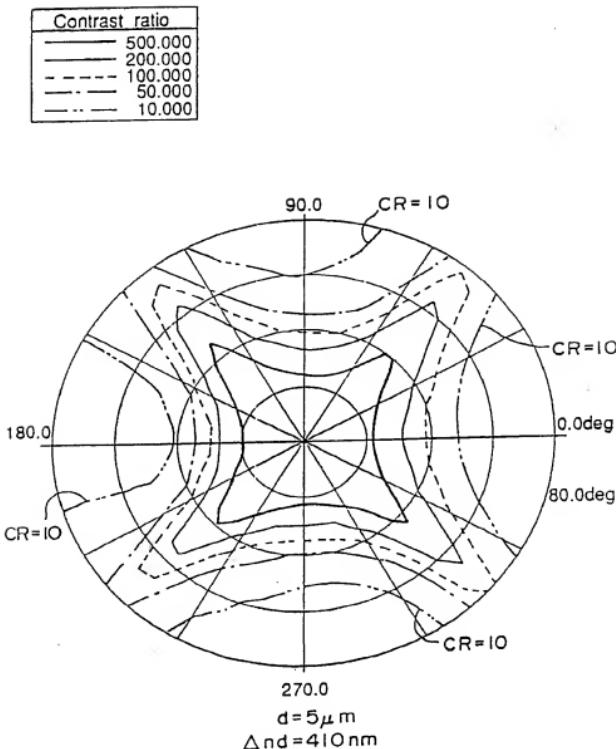


FIG. 22

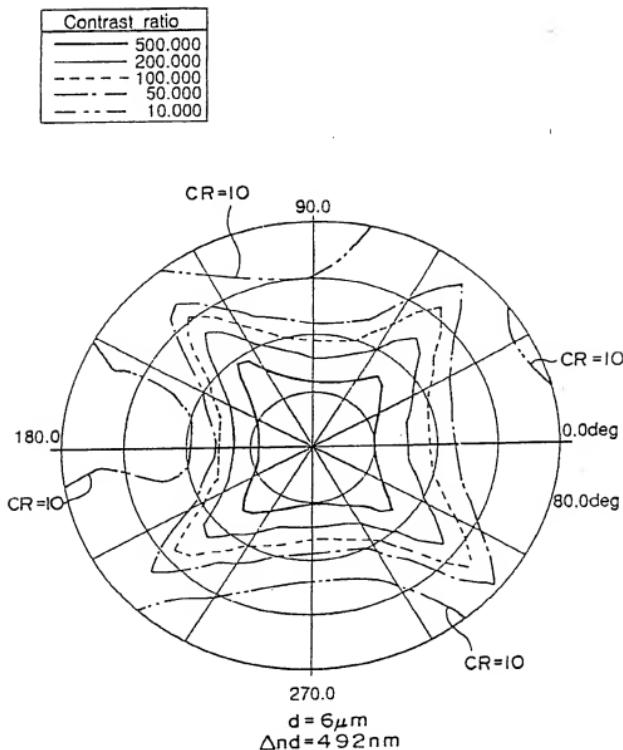


FIG. 23

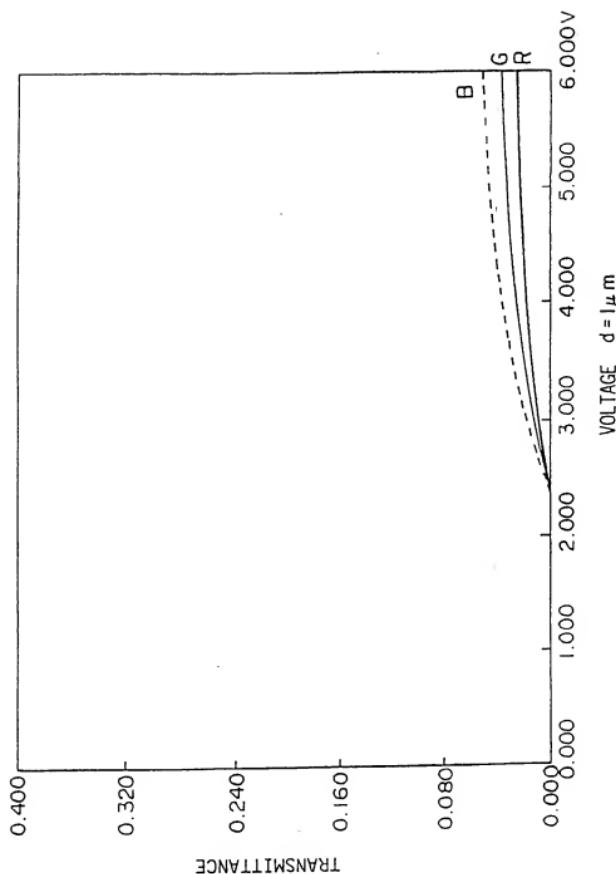


FIG. 24

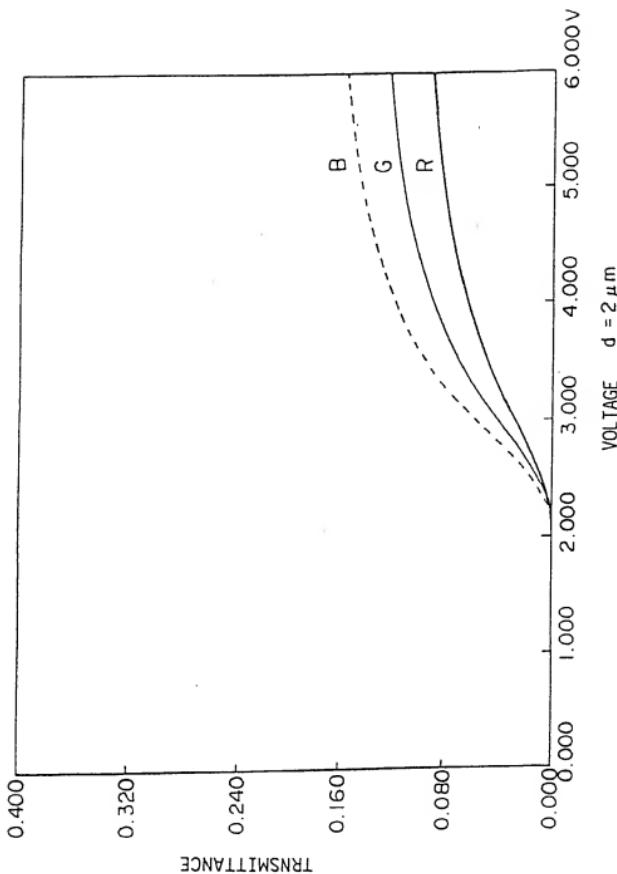


FIG. 25

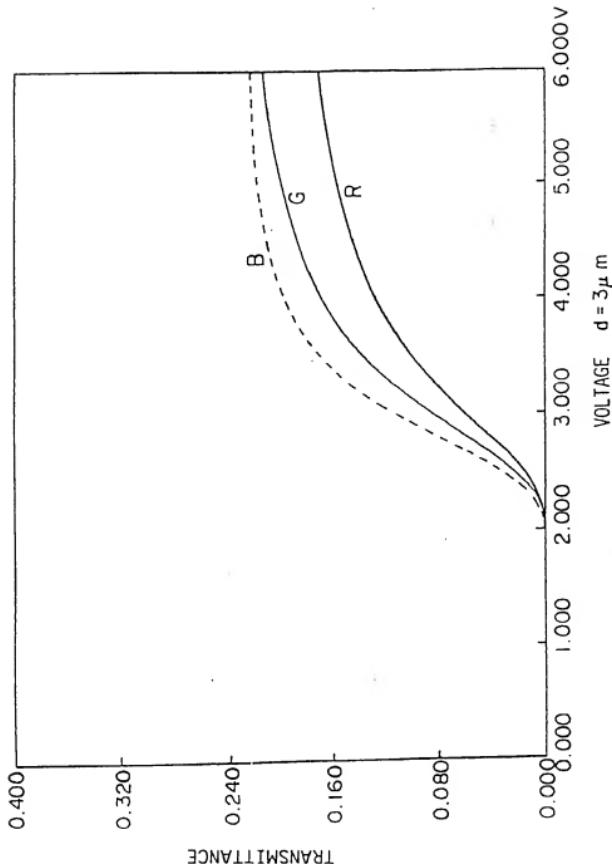


FIG. 26

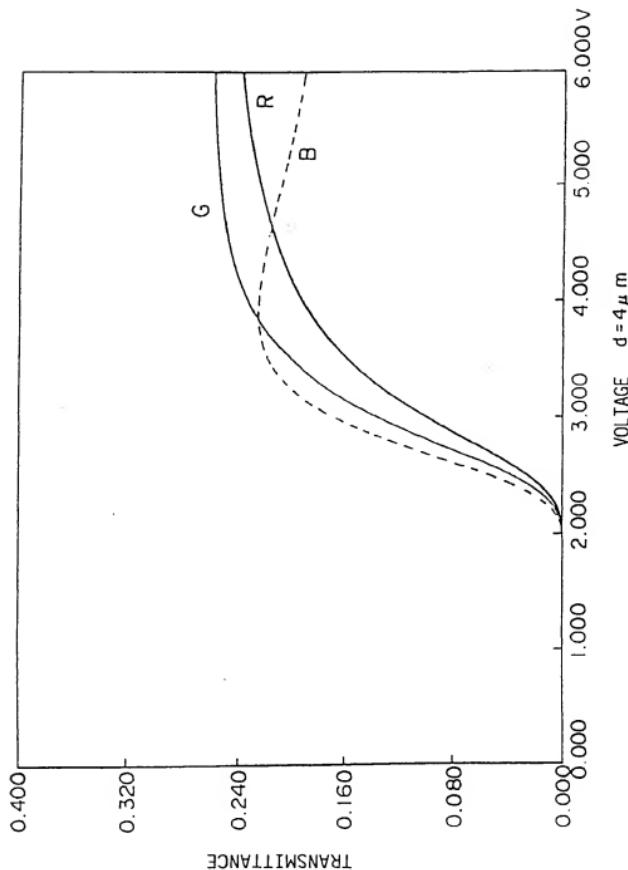
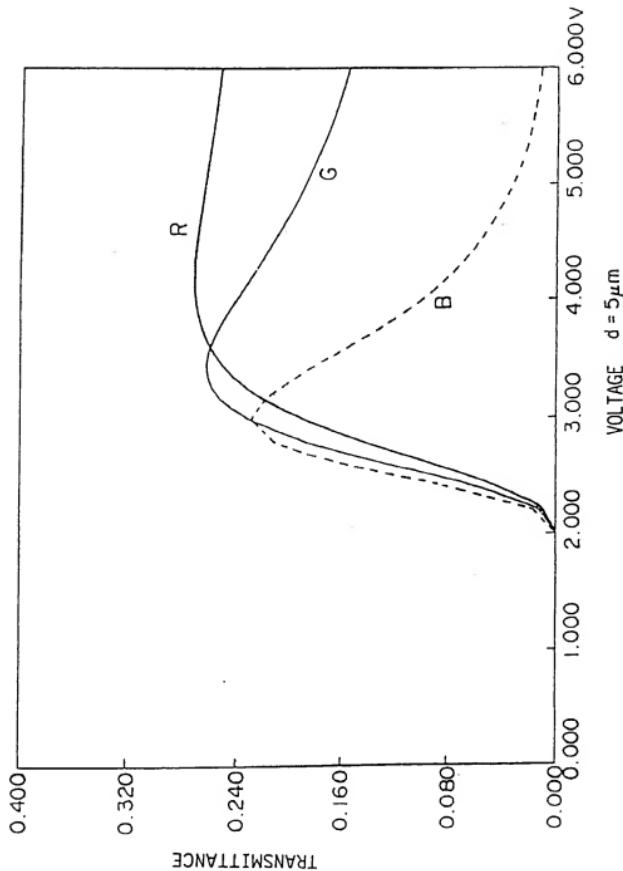


FIG. 27



F|G.28

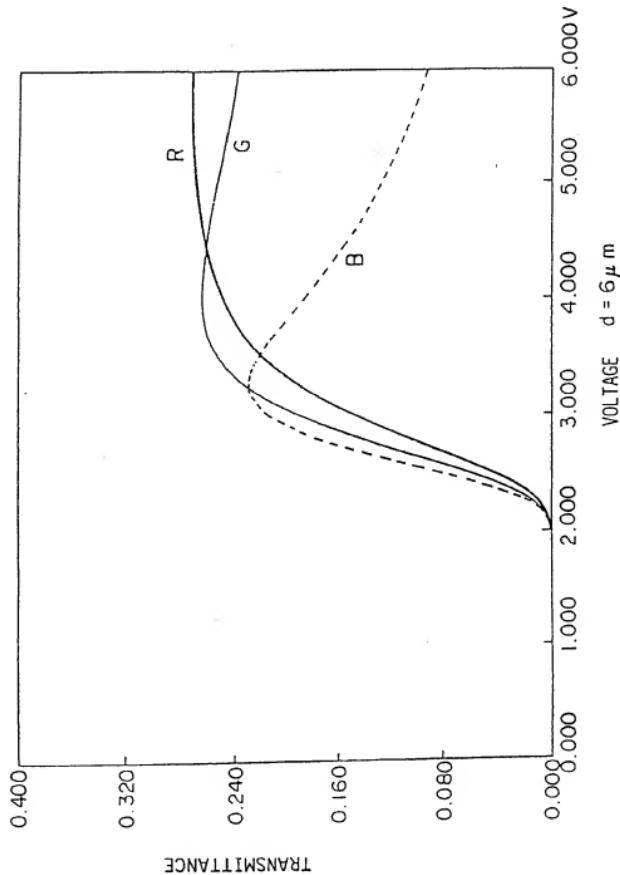
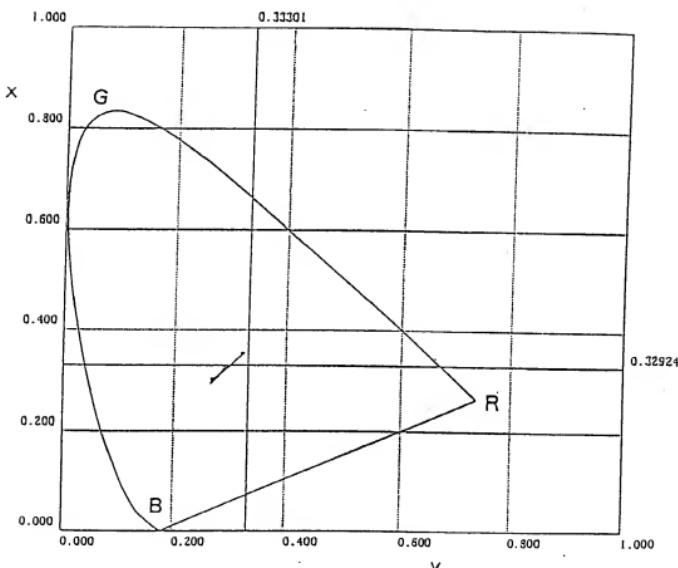


FIG. 29



$d = 1 \mu m$

FIG. 30

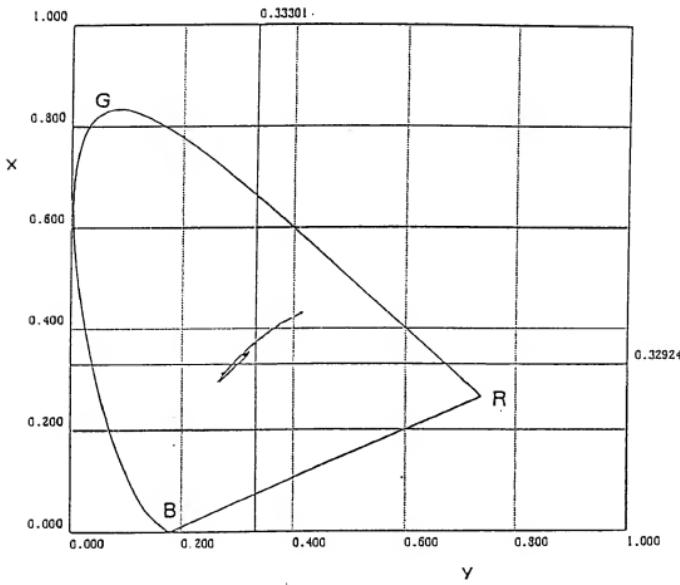


FIG. 31

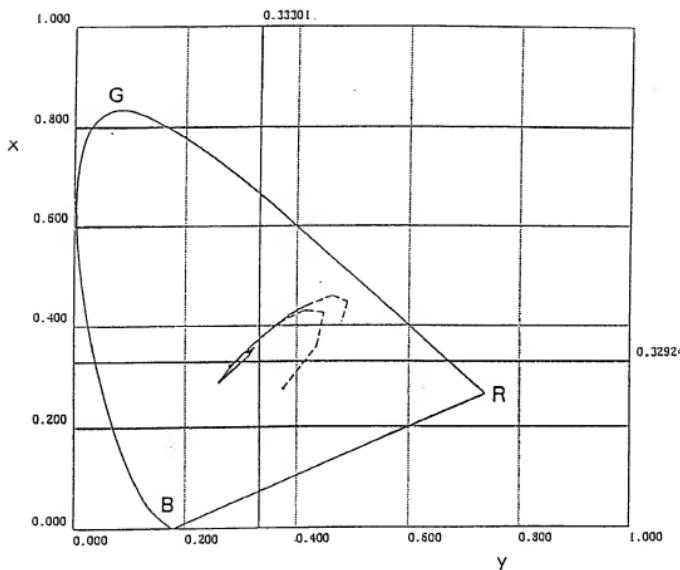


FIG. 32

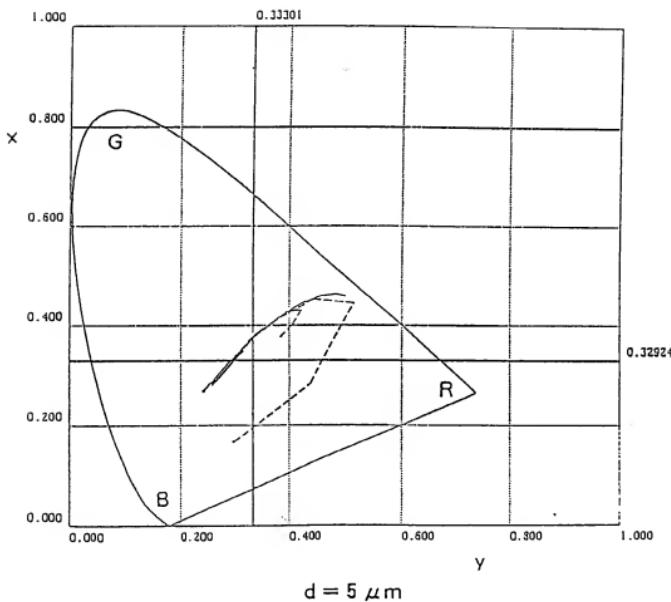


FIG. 33

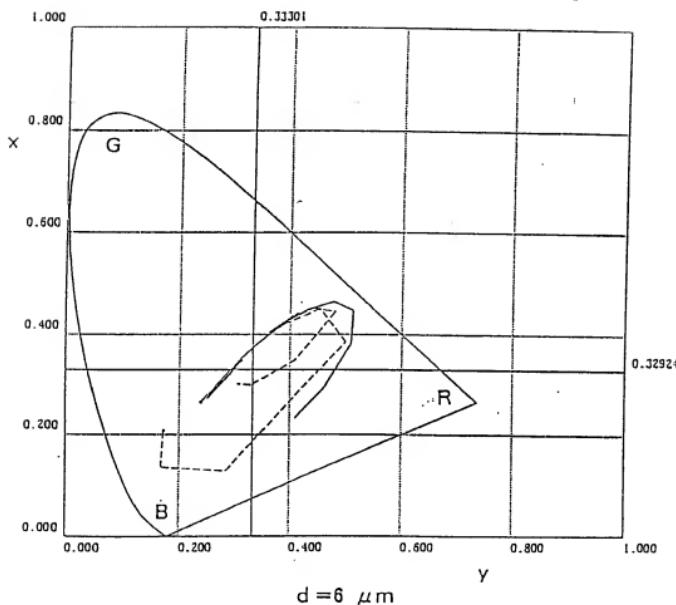


FIG. 34

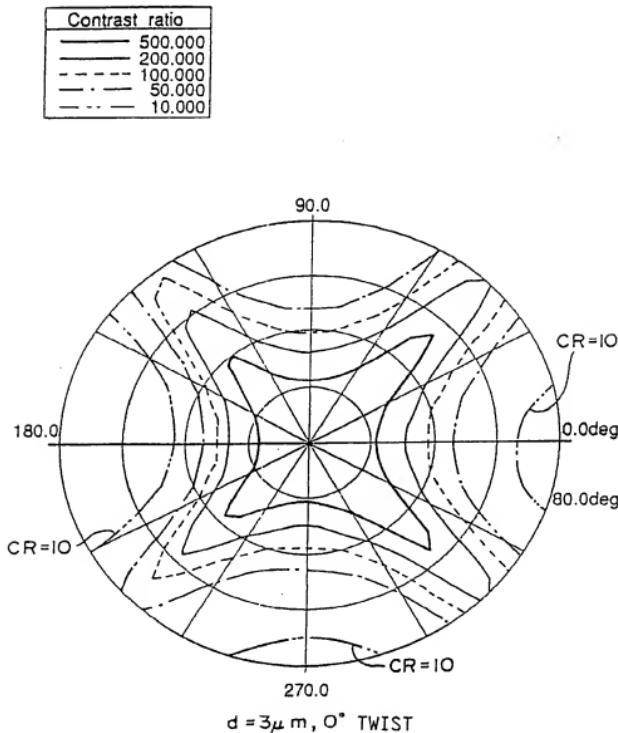


FIG. 35

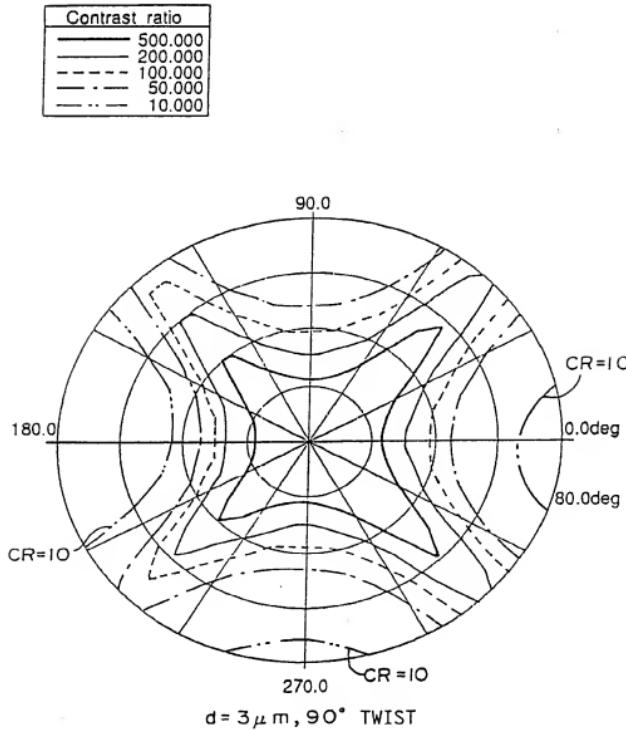


FIG. 36

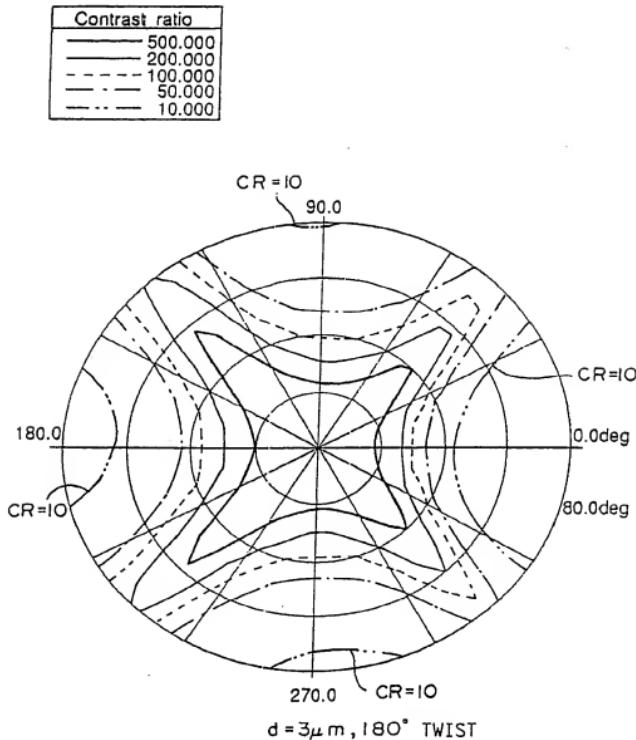
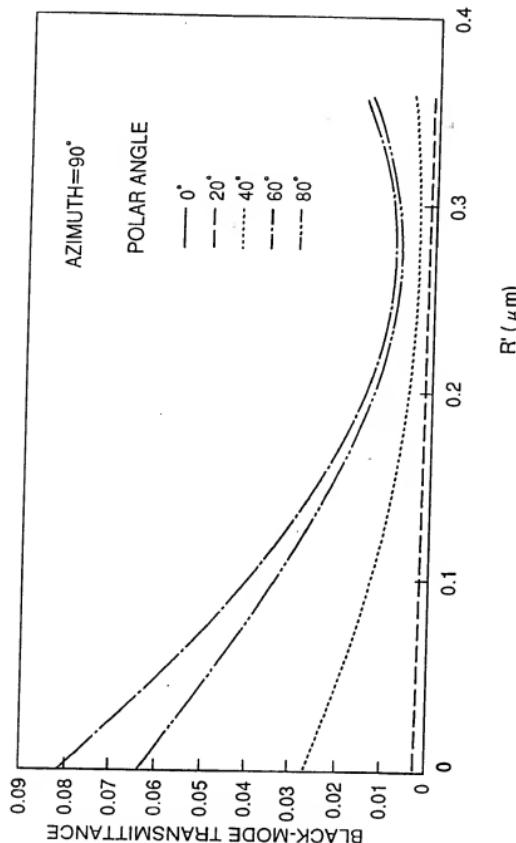


FIG.37



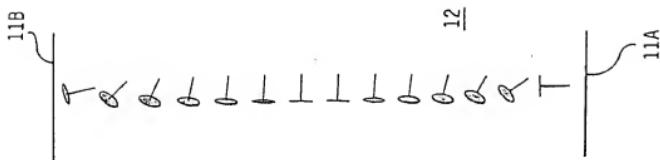


FIG. 38B

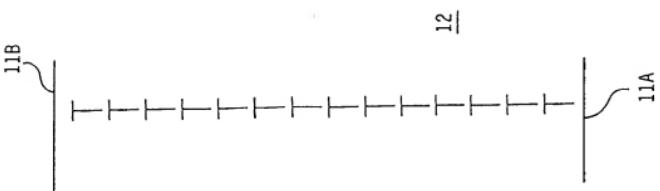


FIG. 38A

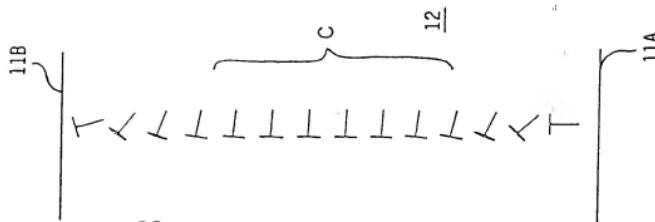


FIG. 39B

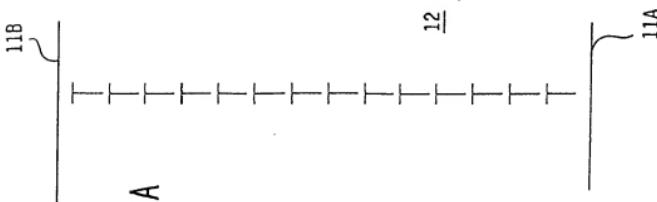


FIG. 39A

FIG. 40

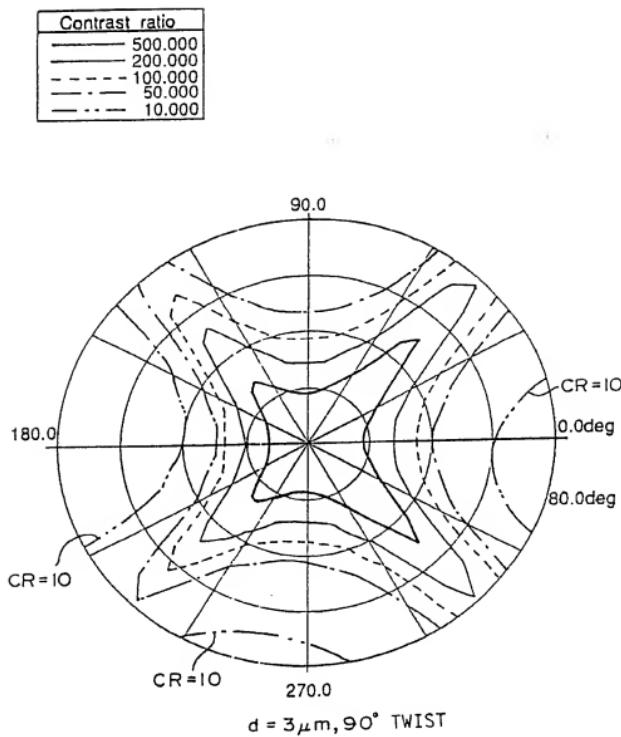


FIG. 41

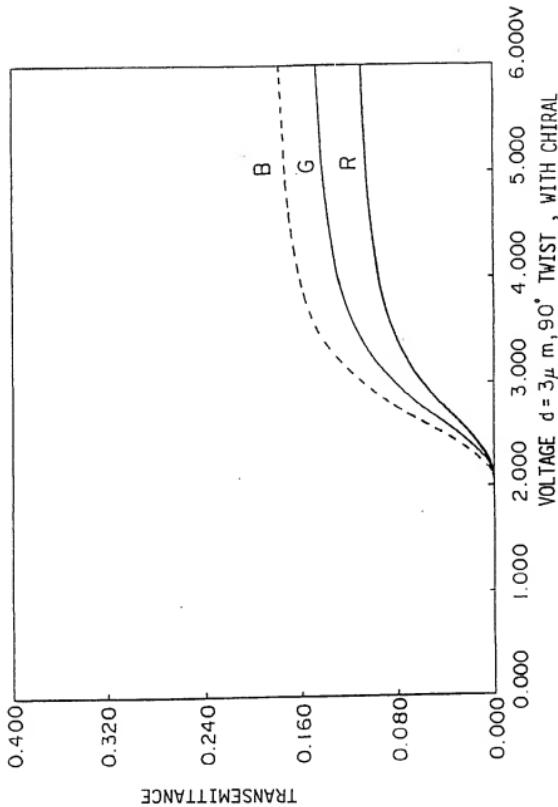


FIG. 42

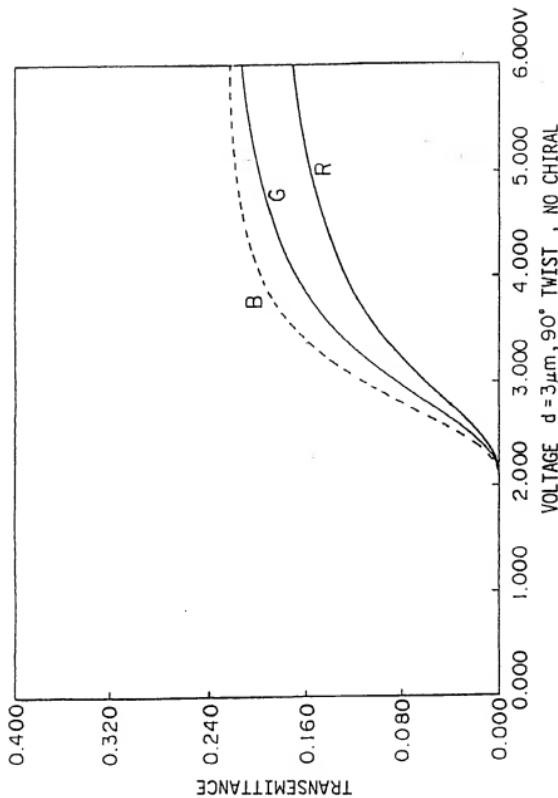
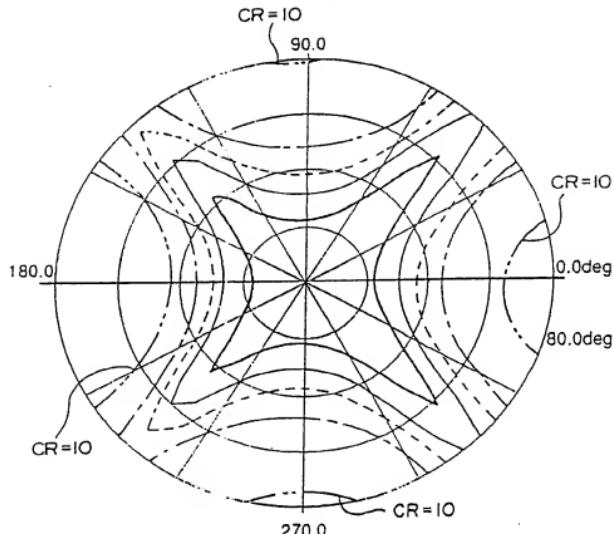
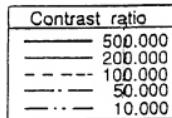


FIG. 43



PRETILT = 89.99°
CELL = 3 μ m, 45° TWIST

FIG. 44

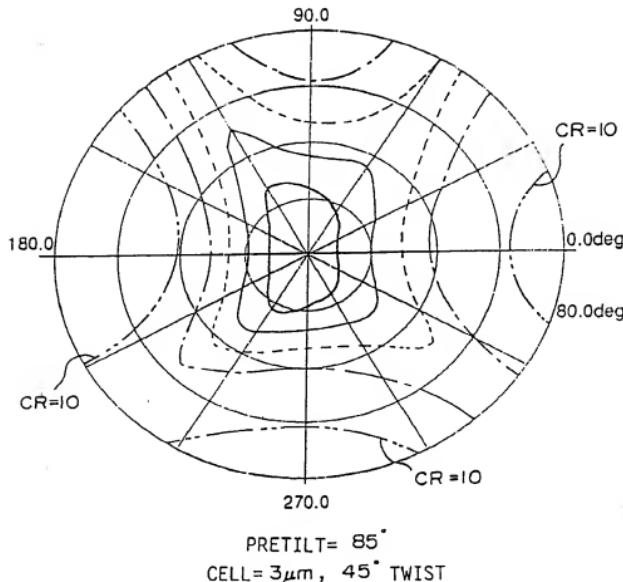
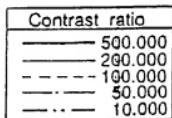


FIG. 45

Contrast ratio
500.000
200.000
100.000
50.000
10.000

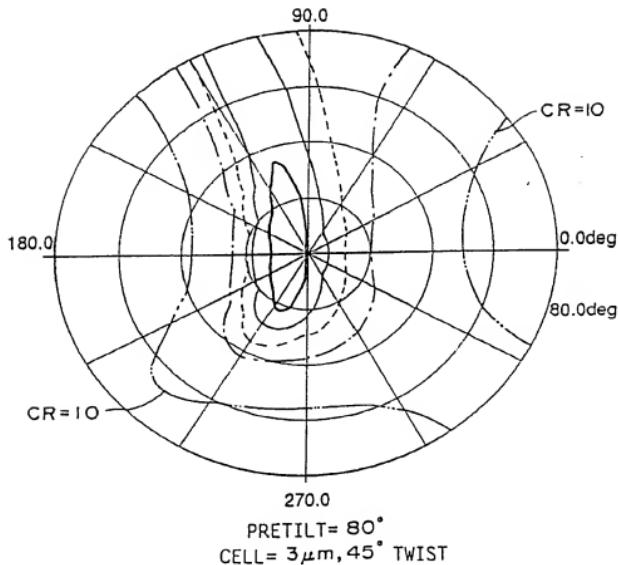


FIG. 46

Contrast ratio
500.000
200.000
100.000
50.000
10.000

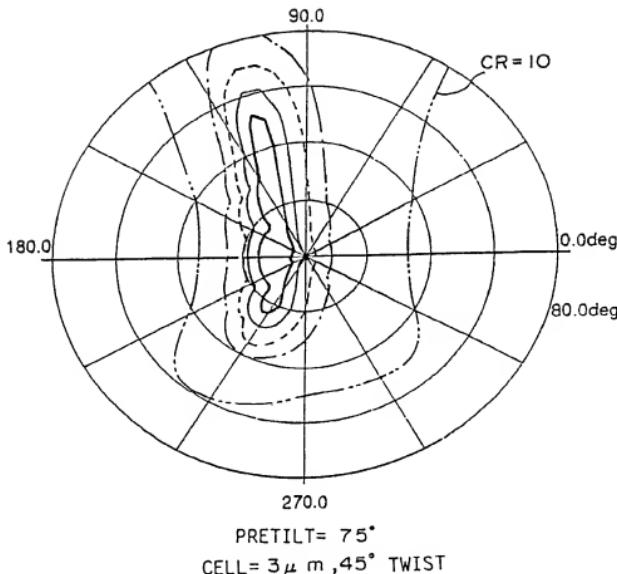


FIG. 47
PRIOR ART

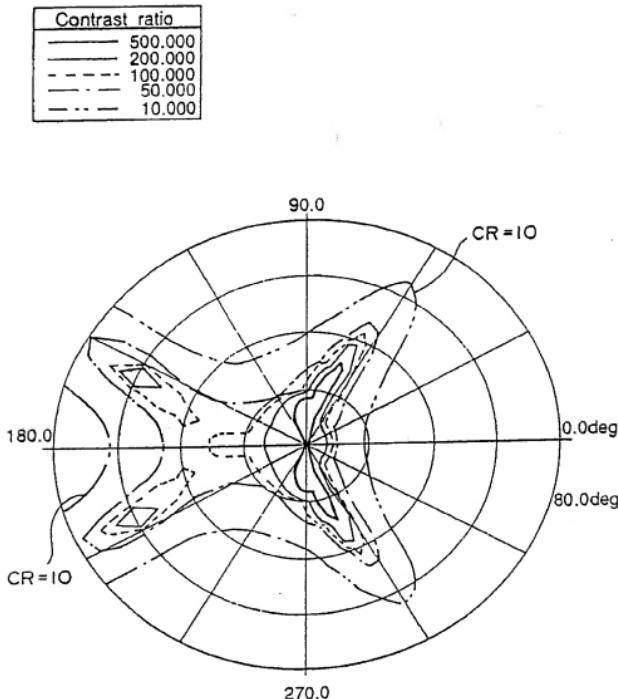


FIG. 48

30

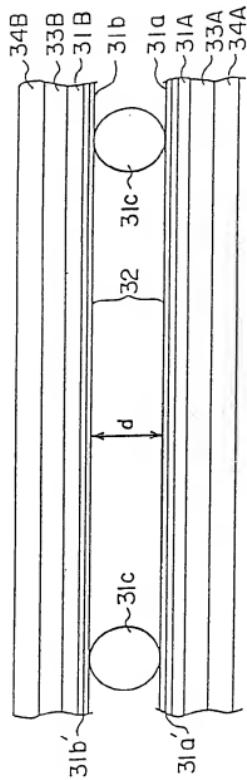


FIG. 49A

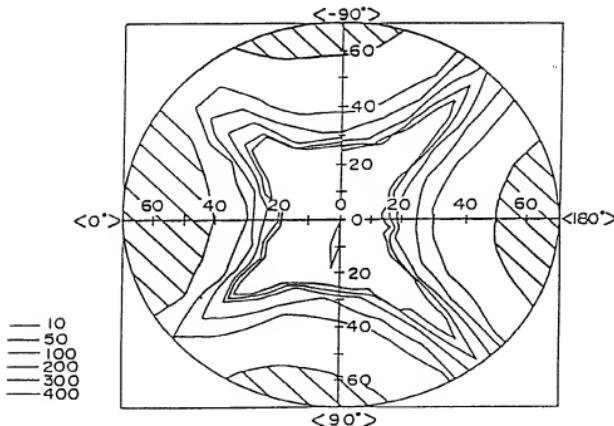


FIG. 49B

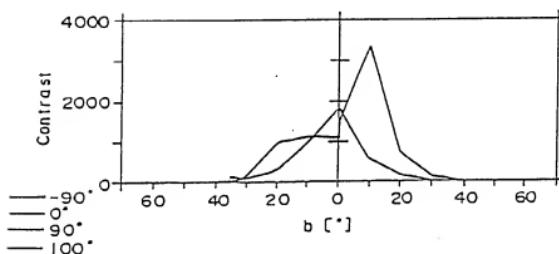


FIG. 50A

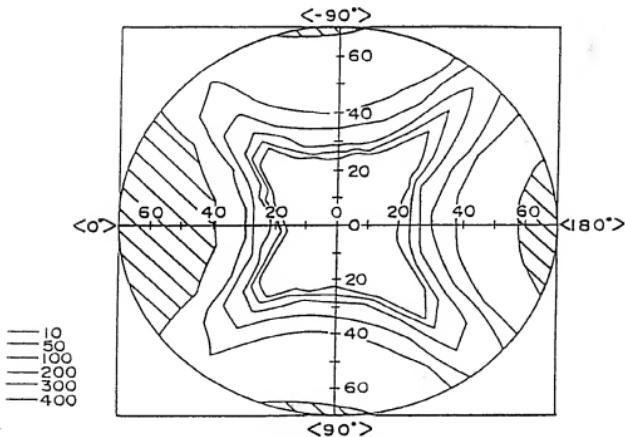


FIG. 50B

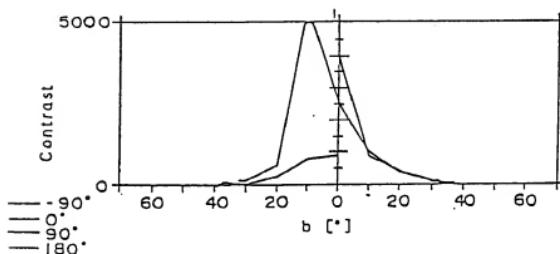


FIG. 51

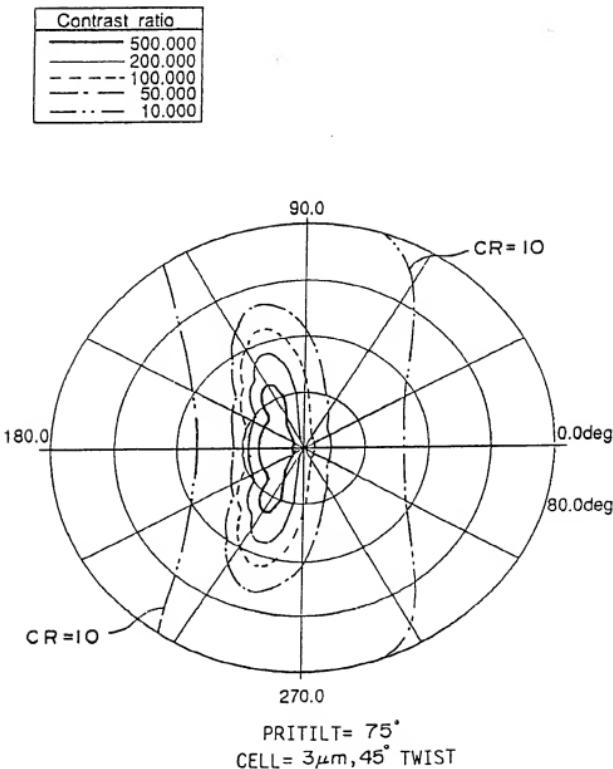


FIG. 52

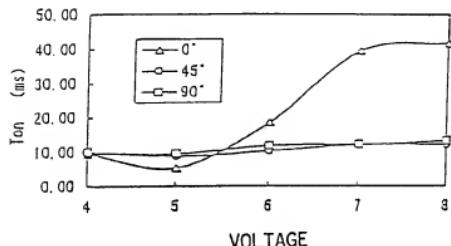


FIG. 53

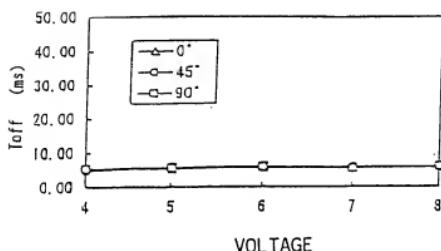
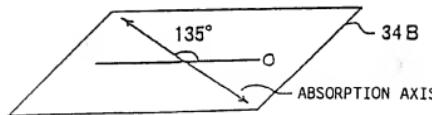
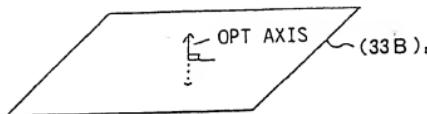


FIG. 54

40



$n_x = n_z > n_y$



$n_x > n_y = n_z$

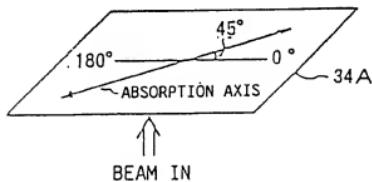
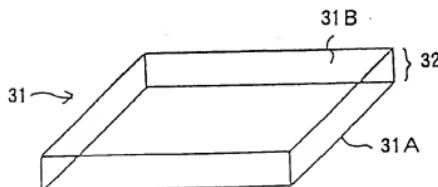
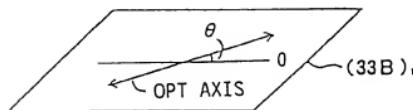


FIG. 55

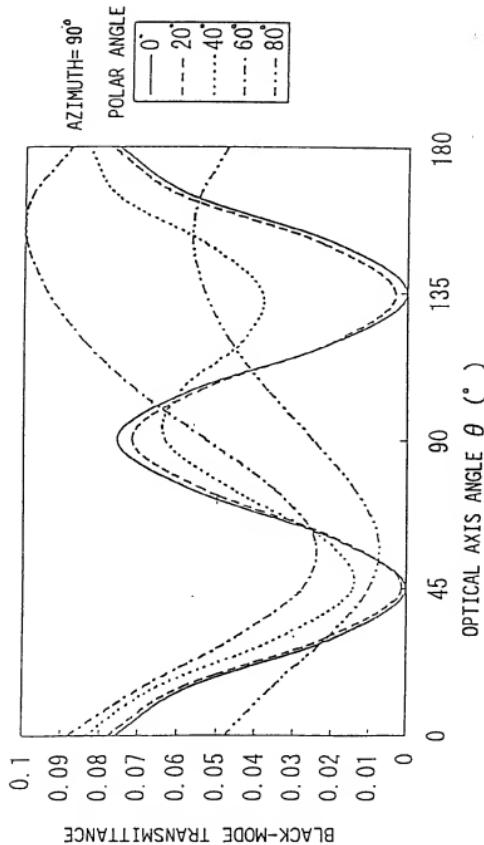


FIG. 56

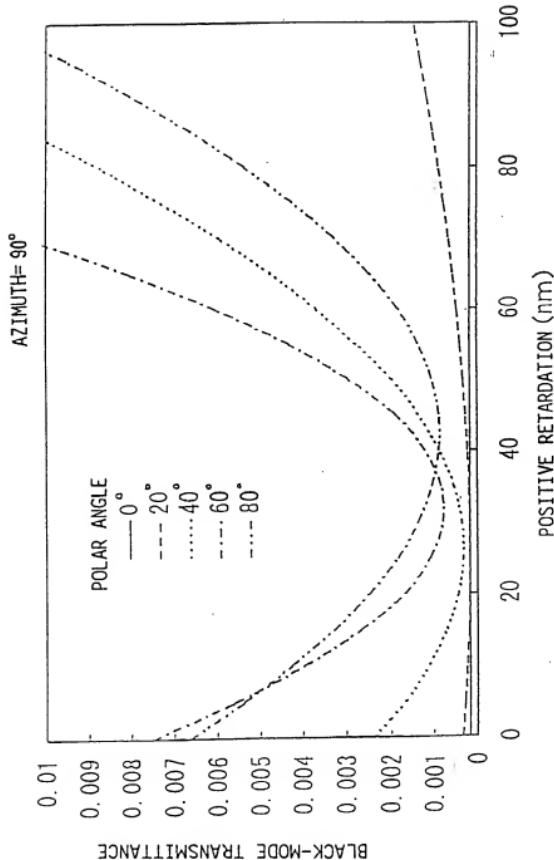


FIG.57

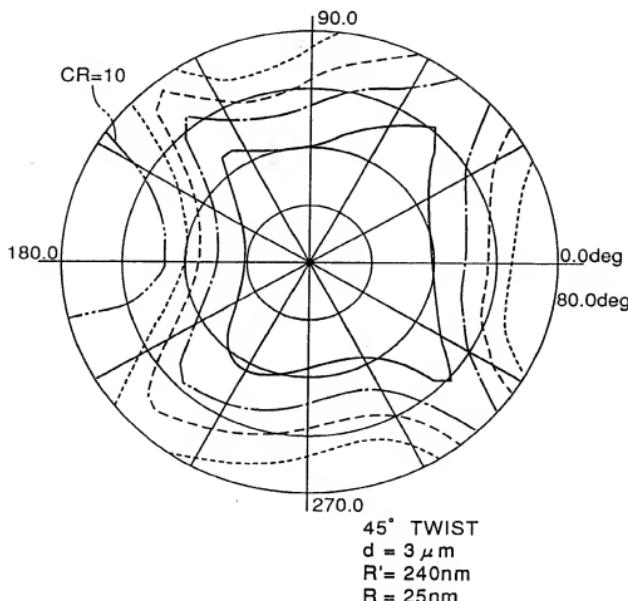
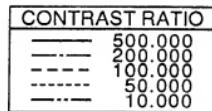


FIG.58

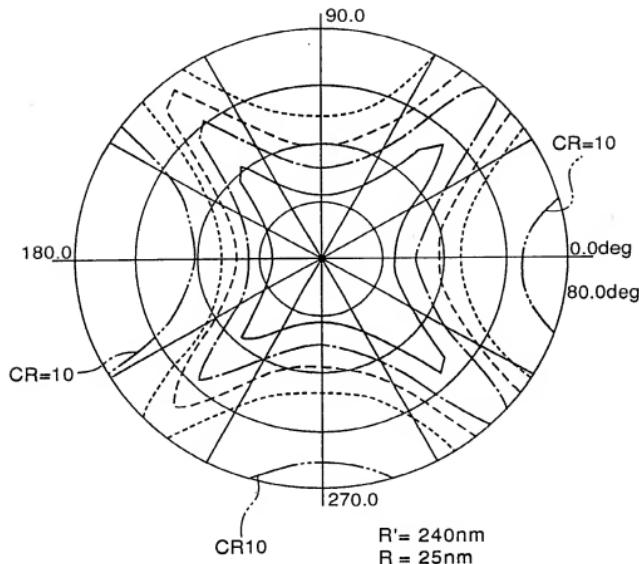
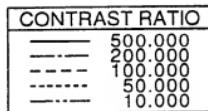


FIG.59

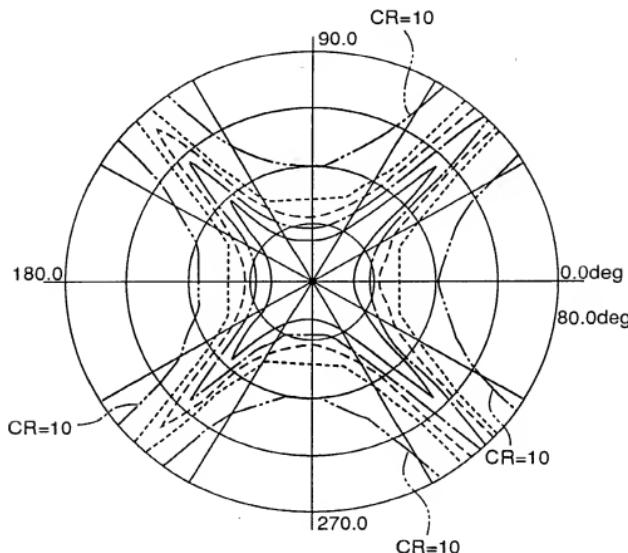
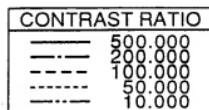


FIG.60

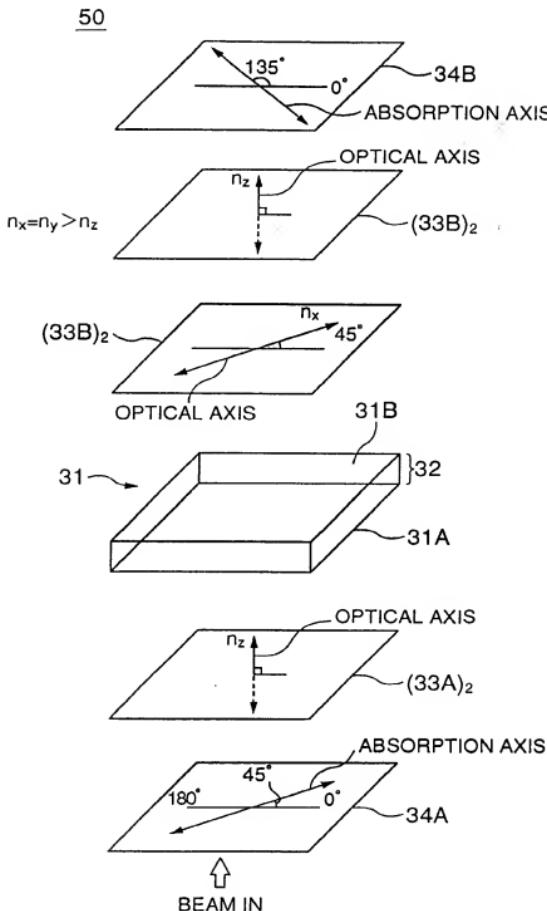


FIG. 61

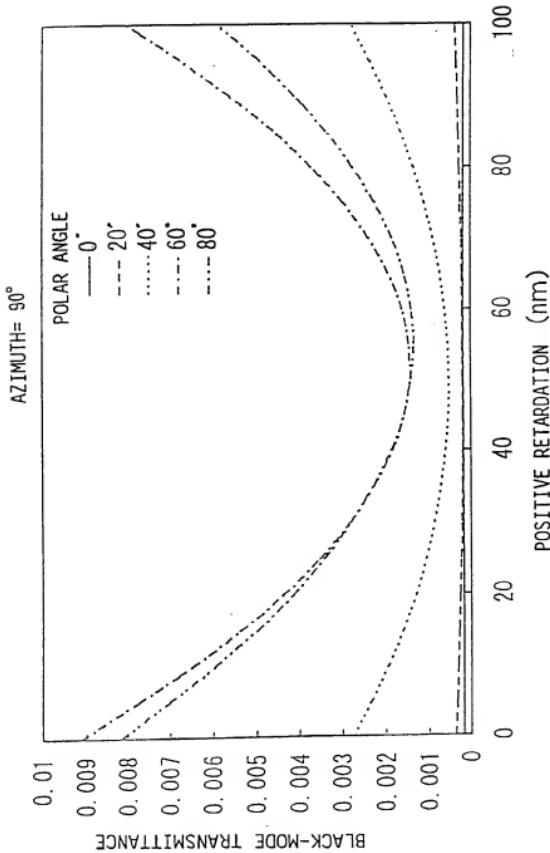


FIG. 62

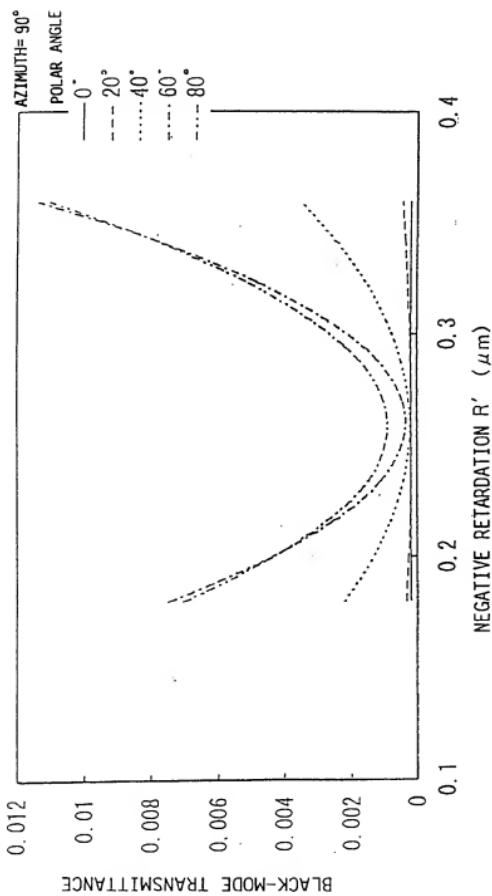


FIG. 63

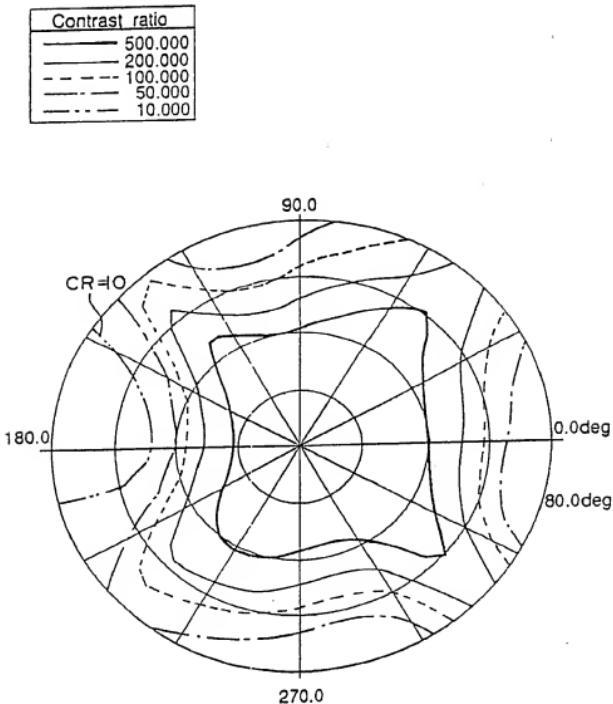


FIG. 64

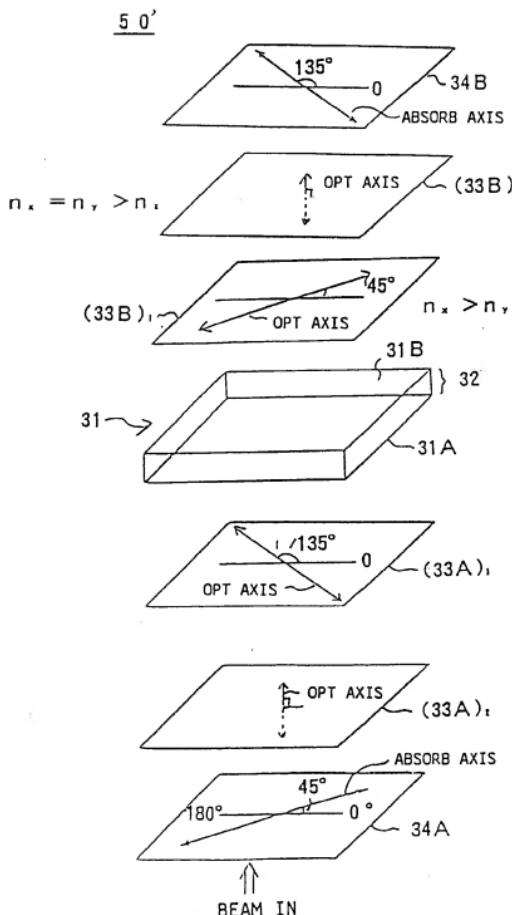


FIG. 65

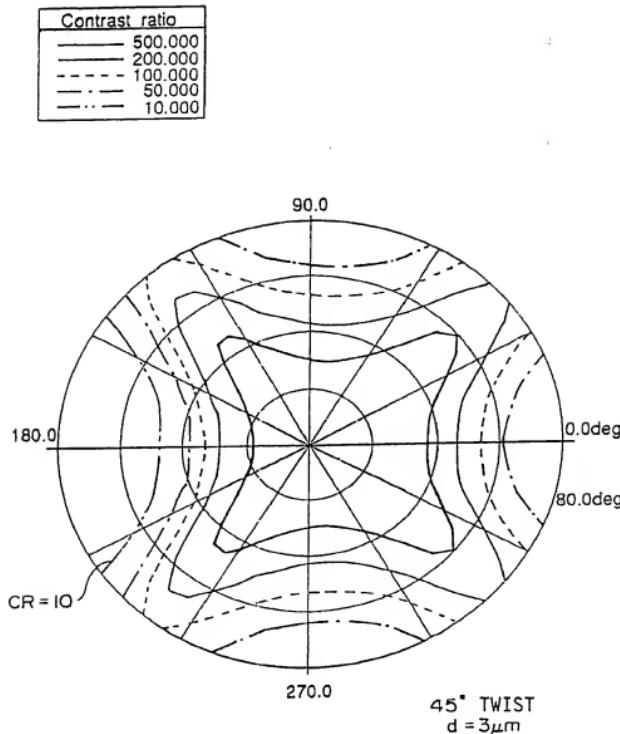


FIG. 66

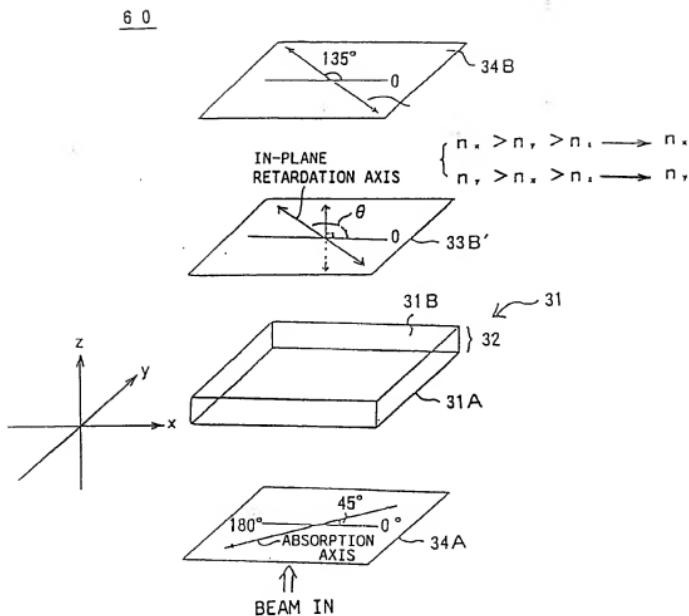


FIG. 67

	VOLT	POLAR	AZIMUTH
—	0.000	0.0	90.0
—	0.000	20.0	90.0
- - -	0.000	40.0	90.0
- - -	0.000	60.0	90.0
- - -	0.000	80.0	90.0

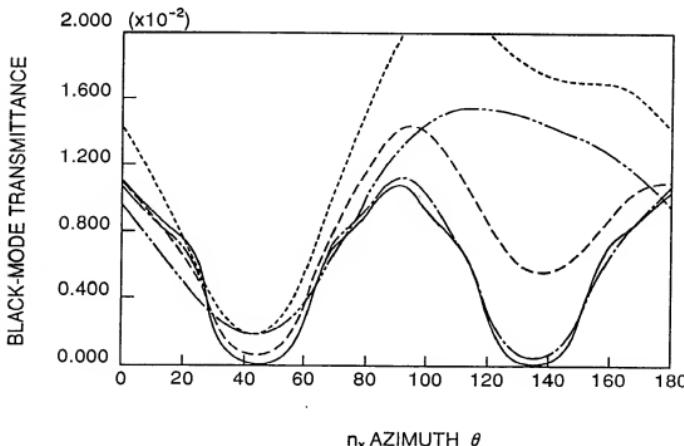


FIG.68

	VOLT	POLAR	AZIMUTH
—	0.000	0.0	0.0
—	0.000	20.0	0.0
- - -	0.000	40.0	0.0
- - -	0.000	60.0	0.0
- - -	0.000	80.0	0.0

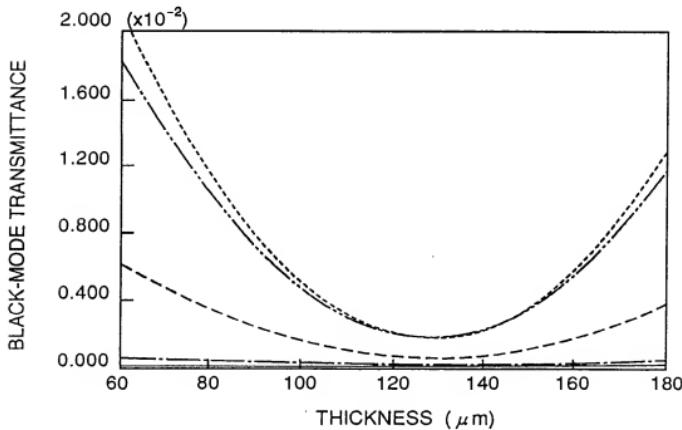


FIG.69

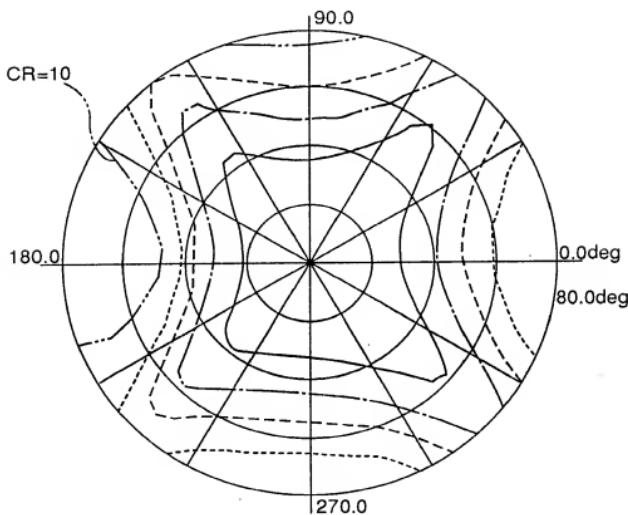
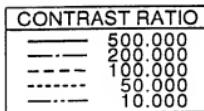


FIG.70

70

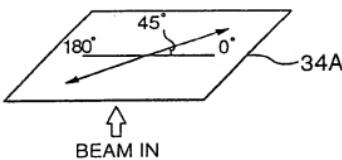
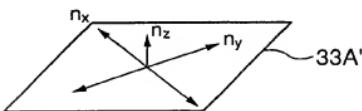
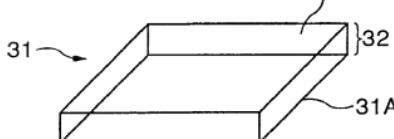
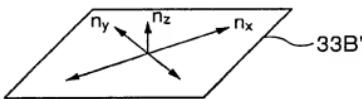
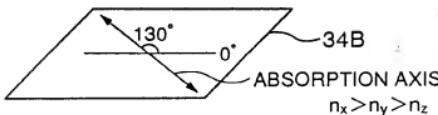


FIG.71

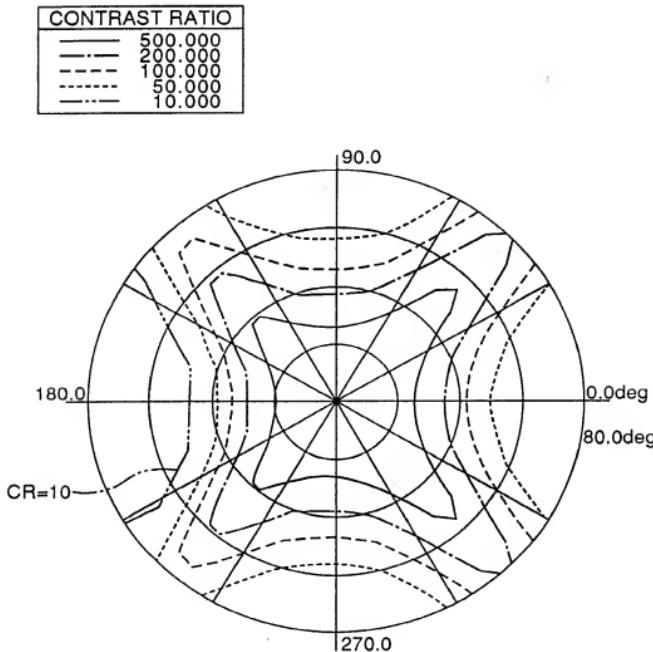
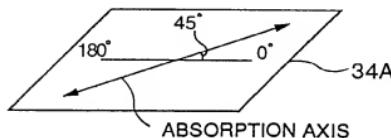
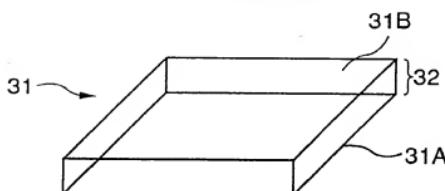
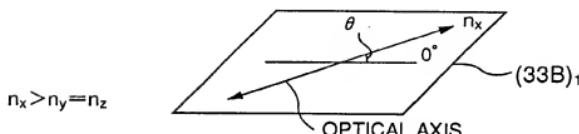
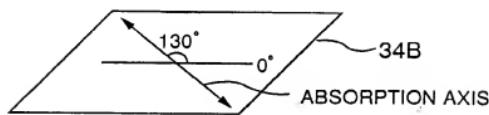


FIG.72

80



BEAM IN

FIG.73

	VOLT	POLAR	AZIMUTH
—	0.000	0.0	0.0
—	0.000	20.0	0.0
- - -	0.000	40.0	0.0
· · ·	0.000	60.0	0.0
···	0.000	80.0	0.0

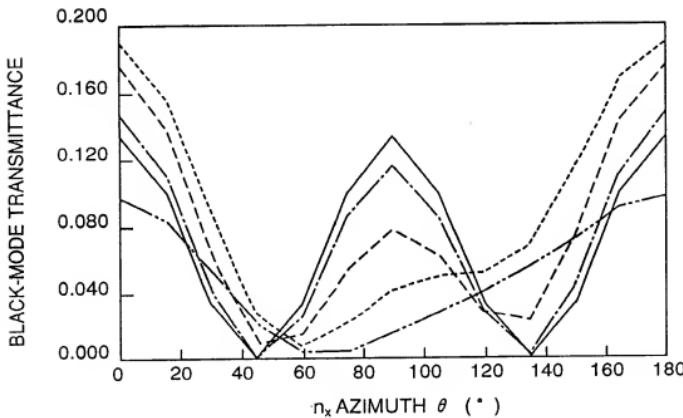


FIG. 74

	VOLT	POLAR	AZIMUTH
—	0.000	0.0	0.0
—	0.000	20.0	0.0
—	0.000	40.0	0.0
—	0.000	60.0	0.0
—	0.000	80.0	0.0

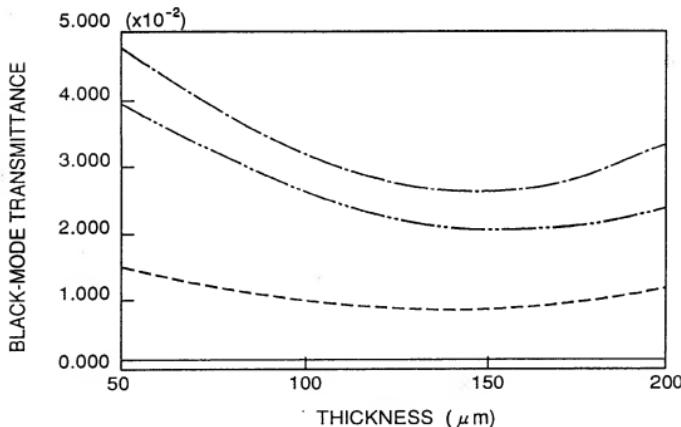


FIG.75

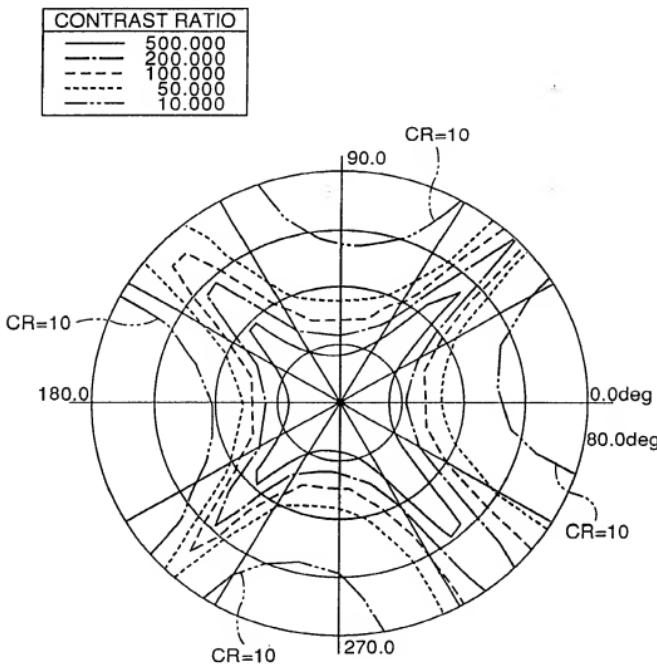


FIG.76

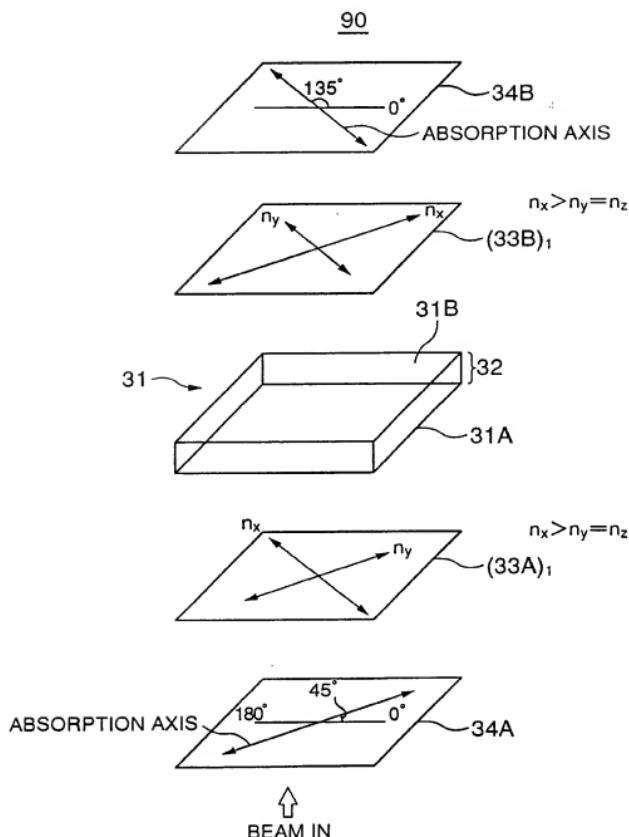


FIG.77

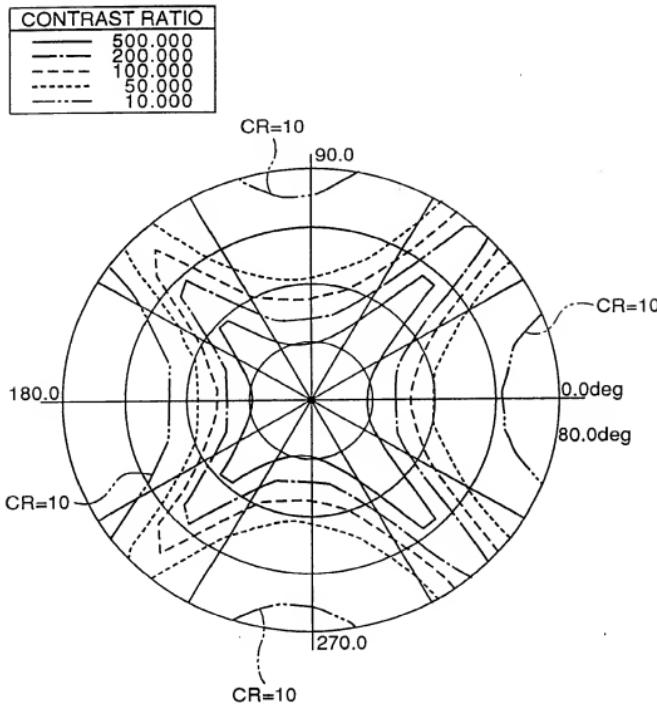


FIG.78

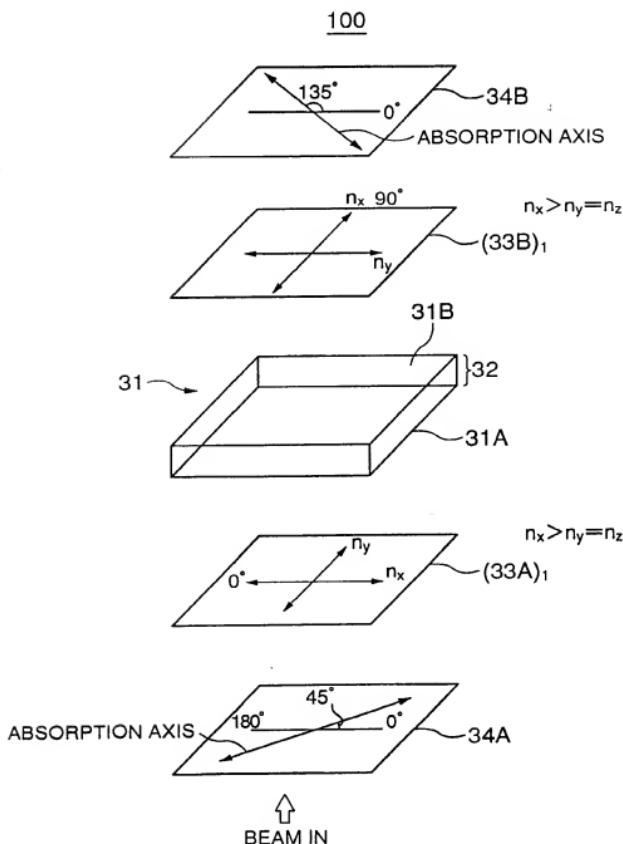


FIG.79

CONTRAST RATIO	
—	500.000
---	200.000
- - -	100.000
- - -	50.000
- - -	10.000

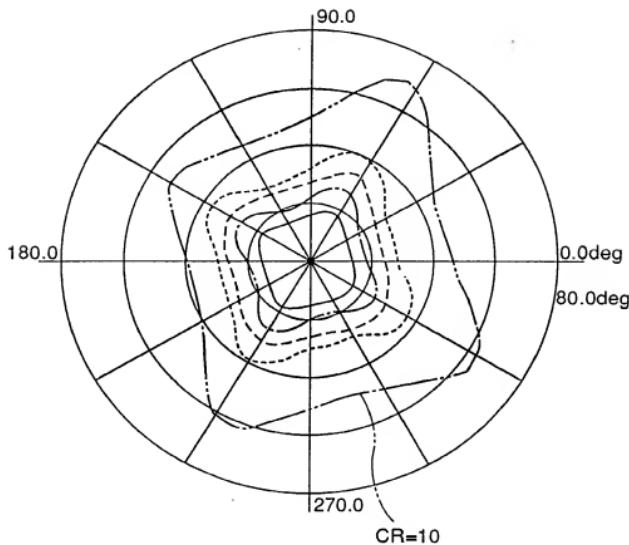


FIG. 80

110

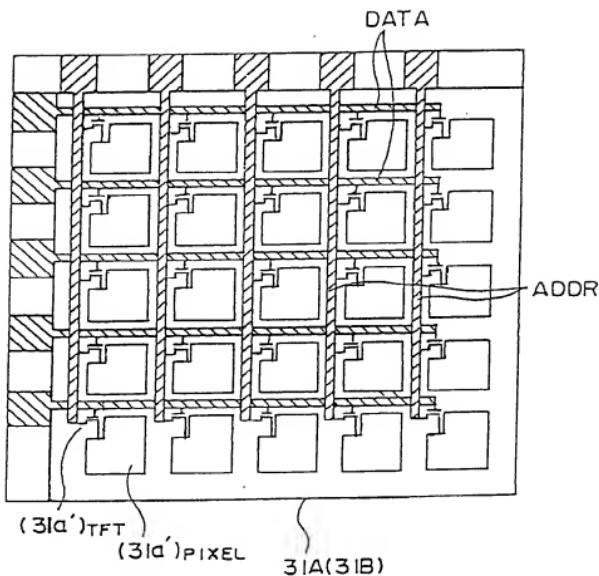


FIG. 81

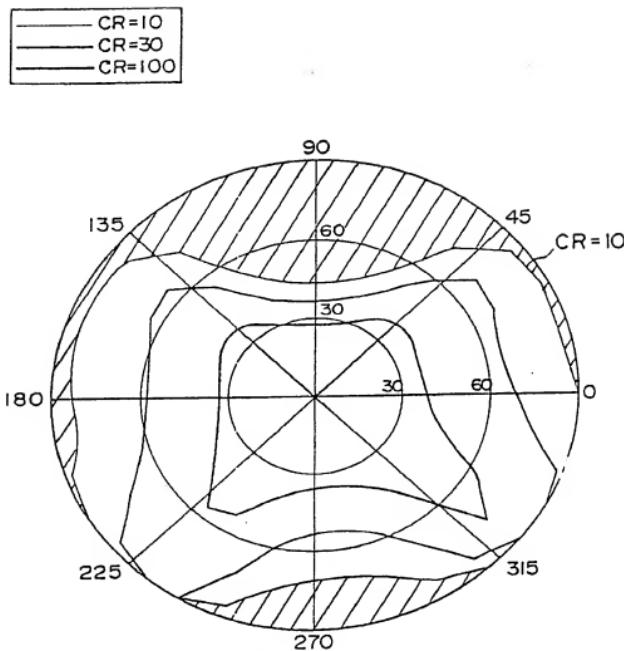


FIG. 82A

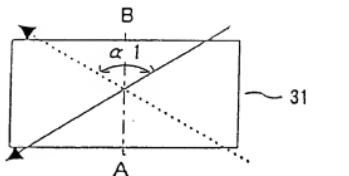


FIG. 82B

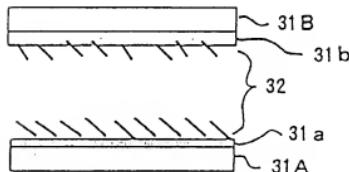
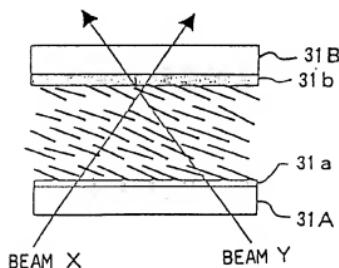


FIG. 82C



120

FIG. 83A

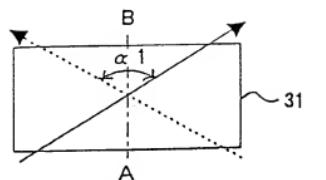


FIG. 83B

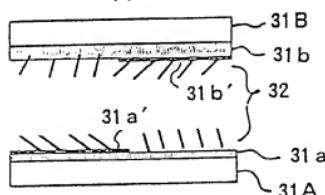


FIG. 83C

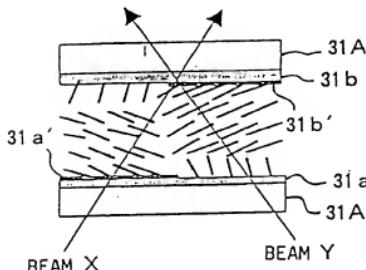


FIG. 84A

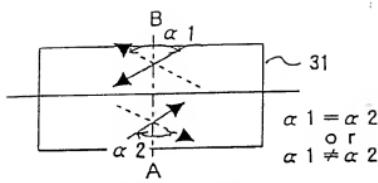


FIG. 84B

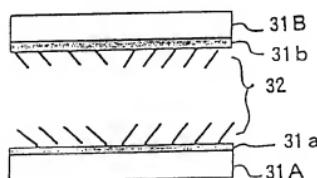


FIG. 84C

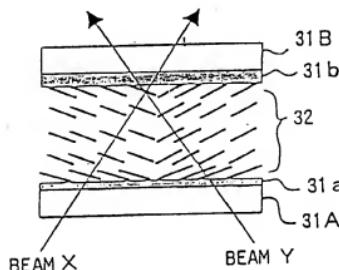


FIG. 85

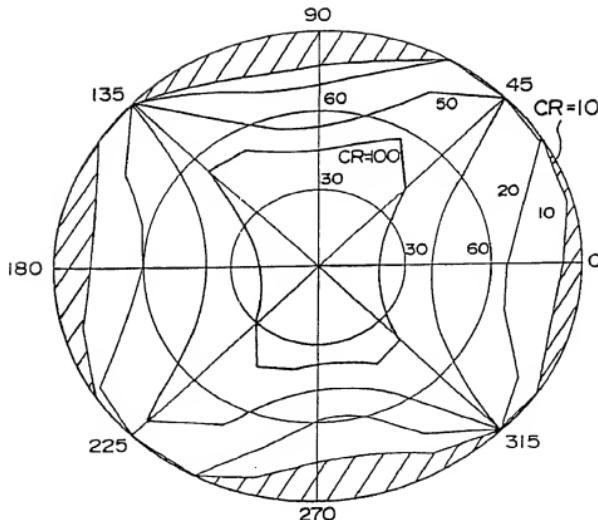


FIG. 86

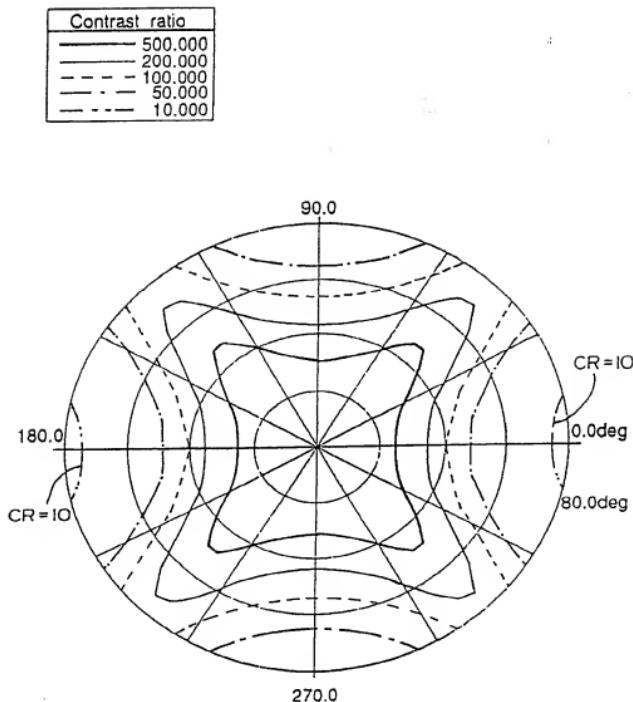


FIG. 87

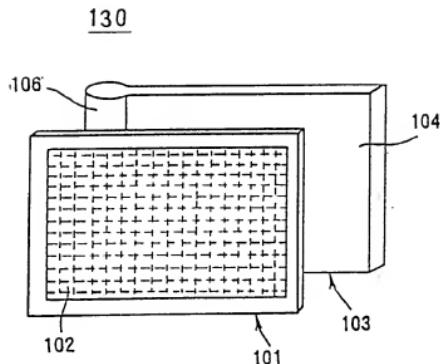


FIG.88

140

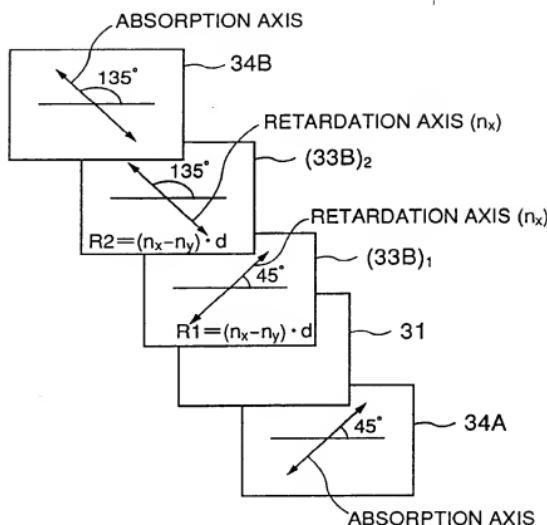


FIG.89

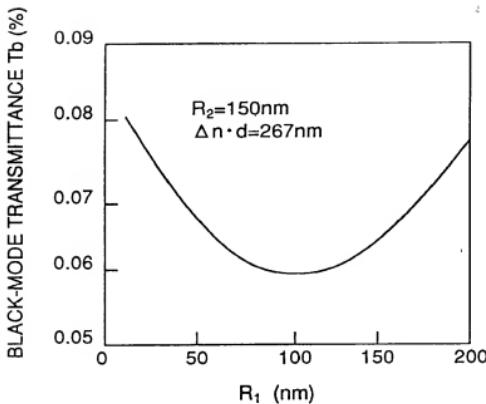


FIG.90

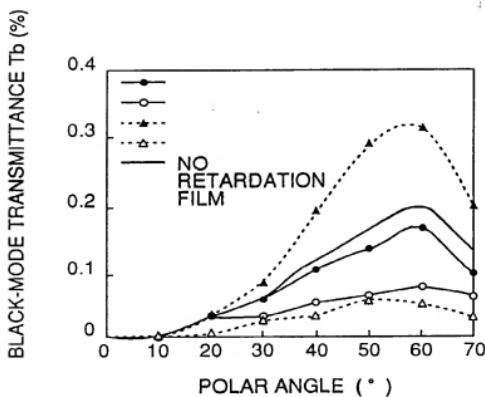


FIG.91A

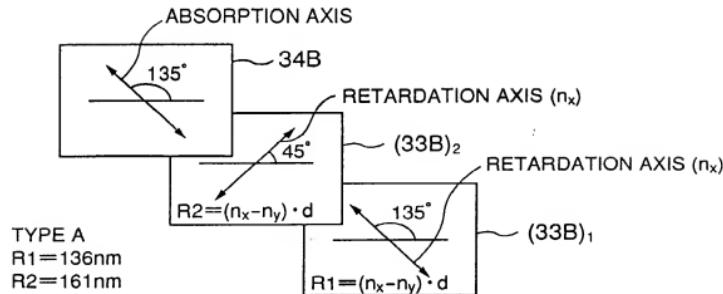


FIG.91B

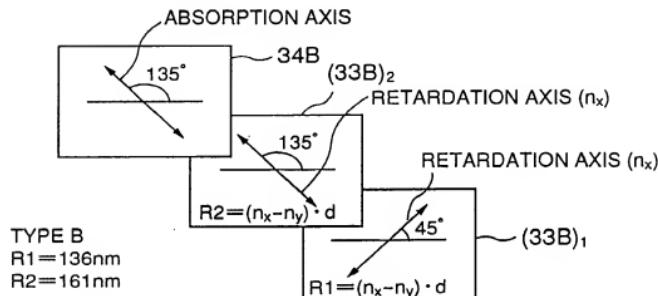


FIG.91C

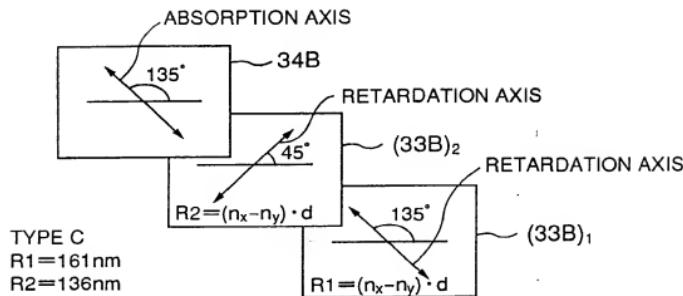


FIG.91D

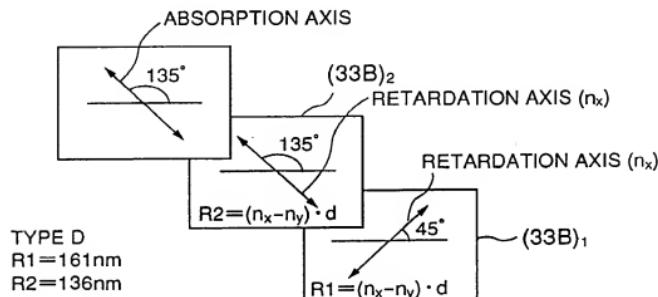


FIG.92A

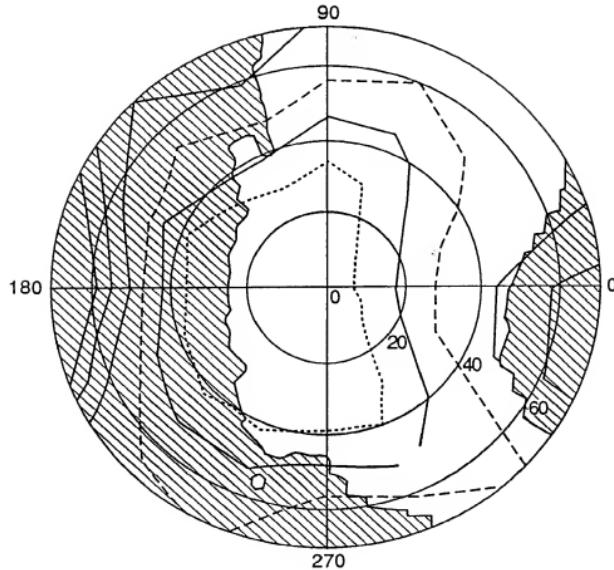


FIG.92B

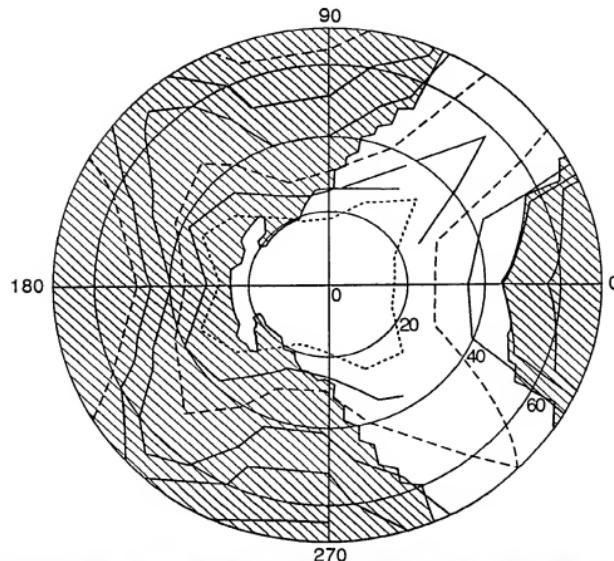


FIG.93

150

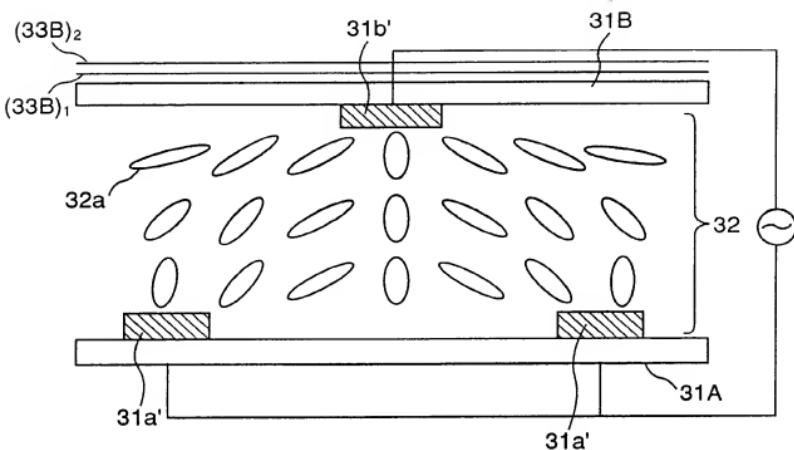


FIG.94

